ABOUT THIS GUIDE

This book was designed as an everyday resource guide for caring, maintaining, and restoring natural stone, tile and masonry. It contains instructions on how to care for all types of surfaces and detailed information on the STONETECH® product line. For safety data sheets or more information, please visit www.stonethc.com.

Please use this STONETECH resource guide for handling questions from your customers and as a training tool for your staff. For additional technical support, please contact us at 1.888.786.6343.

ABOUT STONETECH®

STONETECH surface care products feature high quality and reliable formulations designed to offer today's savvy stone and tile professionals a competitive edge. You can protect, clean and transform natural stone, tile, grout and masonry surfaces—and ensure the quality of your work for years to come.

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POLISHED MARBLE

NOTE: For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of polished marble surfaces will involve keeping dirt, dust and other soiling from building up. Sprays, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same, only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the marble, grout or degrading any applied sealers.

MAINTENANCE CLEANING

Both routine damp mopping and monthly scrub cleanings of polished marble surfaces can be accomplished with STONETECH® Revitalizer® Cleaner and Protector. These types of cleaning can be accomplished using a bucket and mop while a wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations.

For routine cleaning of polished marble with a cleaner and protector: STONETECH® Revitalizer® Cleaner and Protector (Concentrate)

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Revitalizer® Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer® Cleaner and Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, sponge or low pressure sprayer.
3. Rinse surface lightly and remove any excess cleaner. No need to rinse.
4. Let area dry completely before using.

STONETECH Revitalizer Cleaner and Protector (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. To refill 24 oz. (709 mL) spray bottle, use a funnel.
2. Spray or pour directly onto soiled area.
3. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
4. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
5. Wipe clean with a dry towel.

Refer to data sheet DS212.0 for more information.

For routine cleaning of polished marble with a cleaner STONETECH Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

Refer to data sheet DS211.0 for more information.

For a brilliant shine on countertops and vanities: STONETECH Polish

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry and free of waxes and coatings.

1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spread evenly with a clean cloth.
3. Buff until there is no visible liquid and a high shine appears.

Note: STONETECH Polish is not intended for floors as it may create a slipping hazard. It is not a restorative process for worn or damaged marble surfaces.

Refer to data sheet DS216.5 for more information.

NEW INSTALLATION PRE-GROUT TREATMENT

Grouting cleanup is often easier when the stone is sealed prior to grouting. Light colored or porous polished marbles are susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the tile is porous. If the marble darkens after applying water to the stone surface and waiting for 5 minutes, the tile is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. On a polished marble tile that does darken with water a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for polished marble: STONETECH Heavy Duty Sealer Pre-Gruot Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-60 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.
Polished Marble — MCI 106 continued

RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for sealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the polished marble surface, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH® KleenAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KleenAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KleenAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>2 parts</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unintended surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH KleenAll Cleaning a clean cloth, wet/dry vacuum or damp mop.

5. Rinse area well with clean water. Allow area to dry completely.

6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.

7. Reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

This type of restorative surface cleaning process is typically performed with an acidic cleaning compound. The use of acidic cleaners will damage or affect the surface appearance of polished marbles. Surface refinishing may be required to remove mineral based deposits or stains from a polished marble surface. Consulting a stone restoration professional is recommended.

Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

STONETECH Heavy Duty Coating Stripper

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommendations application temperature range is between 50°F and 90°F (10 °C and 32 °C).

1. SHAKE WELL BEFORE USING. Do not dilute before applying.

2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.

3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to these surfaces.

4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy, Grout Haze</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.

6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.

7. Wipe up residual STONETECH Heavy Duty Coating Stripper with dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.

8. Rinse surface well with clean water.

9. More than one application may be required, repeat steps 3 – 8 when necessary.

10. Surface traffic may begin 2 hours after removal of coating.

Refer to data sheet DS229.0 for more information.

For cleaning and removing mold and mildew:

STONETECH Mold & Mildew Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.

2. Clean surface with nonabrasive sponge or stiff nylon brush as needed.

3. Rinse area well with clean water.

4. Repeat as needed for heavily soiled areas.

Refer to data sheet DS 219.0 for more information.

For all stain removal:

STONETECH Oil Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.

2. Apply a ¼” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 3” – 5” (25 – 50 mm) beyond the edge of the stain.

3. Do not cover.

4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.

5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.

6. Allow solvent to completely dry from the stone.

7. If stain is not completely gone after drying, repeat process.

8. Clean up residue and avoid contact with treated areas.

9. Once the surface is dry, reseal the cleaned area with an appropriate STONE TECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS 279.0 for more information.
Polished Marble — MCI 106 continued

Mechanical Refinishing for Polished Marble

STONETECH® Honing & Polishing Powders

This refinishing process is designed for scratch, etch and wear pattern removal and will restore the stone’s surface to a uniform finish and shine. Depending on the severity of the wear or damage to the stone use, in succession, one or more of the grit levels (180/280/400/600/800) of the STONETECH® Honing Powders bringing the stone up to an even, uniform 800 grit finish. After the honing steps, follow with the STONETECH Polishing Powder to create the final shine.

Refinishing requires using a handheld low speed sander/polisher or an orbital sander for countertops, walls or floor edges. For floors use a weighted 175 rpm floor machine (130-140 lb (59.1 – 63.6 kg)). Hand machines and floor machines need to be fitted with a natural hair pad or a white nylon polishing pad.

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

For refinishing to a polished finish:

1. If surface is heavily soiled, pre-clean with STONETECH® KlenzAll™ Cleaner if needed.
2. Mask off and protect any baseboards or adjacent areas to avoid splashing and overspray onto surfaces not intended to be treated.
3. If you are using a variety of abrasive grits, ensure that the surface is well rinsed and a new pad is used for each changeover.
4. Apply approximately 1/2 cup (118 mL) STONETECH Honing Powder plus 1 cup (237 mL) clean water directly onto the stone surface.
5. Refinish using a hand orbital sander or weighted floor machine at 130-140 lbs. (59-64 kg), 175 rpm, fitted with a natural hair pad.
6. Keep compound wet while refinishing with plenty of water. Add STONETECH Honing Powder as needed.
7. Use successively higher numbered grits of STONETECH Honing Powder to close the face of the stone and follow with STONETECH Polishing Powder applied as in steps 5-10 above. Repeat as needed to achieve the desired level of shine.
8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.
9. Clean equipment with water.
10. Reseal polished area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS 225.5 and DS224.5 for more information.

SEALING AND PROTECTING:

Polished marble is susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in marble tile installations will also be more stain resistant with the application of a penetrating sealer.

For natural looking protection for polished marble and grout installations:

STONETECH Heavy Duty Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings.

STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Shovel a sealer residue appear, rewash the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. Full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.
**REGULAR MAINTENANCE AND CARE**

Routine, daily maintenance of marble surfaces will involve keeping dirt, dust and other soil from building up. Exterior installations will often require more intensive maintenance and care processes. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light-damp mopping is advisable. For larger installations these processes remain the same; only the scale will change. Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade any applied sealer, adversely affecting stain repelling. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the marble, grout or degrading any applied sealers.

**Maintenance Cleaning**

Both routine damp mopping and monthly scrub cleanings of marble surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an autoscrubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for unpolished, honed or textured marble surfaces.

For routine cleaning of unpolished, honed or textured marble using a cleaner and a protector:

**STONETECH® Revitalizer™ Cleaner and Protector (Concentrate)**

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Revitalizer™ Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer™ Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.
3. Rub surface lightly and remove any excess cleaner. No need to rinse.
4. Lightly scrub with a scrub brush or floor machine as needed.
5. Let area dry completely before using.

**STONETECH Stone & Tile Cleaner (Concentrate)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

**STONETECH Stone & Tile Cleaner (Ready-To-Use)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel. Refer to data sheet DS211.0 for more information.

**NEW INSTALLATION PRE-GROUT TREATMENT**

GROUTING CLEANUP is often easier when the stone is sealed prior to grouting. Unpolished, honed or textured marbles can be porous and are susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the stone is porous. If the marble darkens after applying water to the stone surface and waiting for 5 minutes, the stone is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for unpolished, honed or textured marble:

**STONETECH Heavy Duty Sealer**

Pre-grout Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is wellventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even cost of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water. Refer to data sheet DS219.0 for more information.

**RESTORATIVE DEEP CLEANING**

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for rescaling or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the unpolished, honed or textured marble, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soil or staining, select one of the following options:

**For cleaning grease, oil, dirt, dry soil, or to prepare for rescaling:**

**STONETECH KleinzAll™ Cleaner (Concentrate)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is wellventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for rescaling or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH KleinzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KleinzAllTM Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low pressure sprayer. Avoid applying cleaner on unsealed surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH KleinzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleansing. If so, repeat steps 2 – 5 above.
7. Rinsed cleaned area with an appropriate STONECHEM® sealer (e.g. STONECHEM BulletProof® Sealer).

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

This type of restoration surface cleaning process is typically performed with an acidic cleaning compound. The use of acidic cleaners will damage or affect the surface appearance of many marble finishes. Surface refinishing may be required to remove mineral based deposits or stains from a marble surface. Consulting a stone restoration professional is recommended.

Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

STONECHEM® Heavy Duty Coating Stripper

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine area of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F and 90°F (10 °C and 32 °C).

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONECHEM Heavy Duty Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONECHEM Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONECHEM Heavy Duty Coating Stripper dry on the surface. If STONECHEM Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONECHEM Heavy Duty Coating Stripper with clean, dry cloth or mop. A wet/dry vacuum can be used for larger areas.
8. Rinse surface well with clean water.
9. More than one application may be required, repeated steps 3 through 8 when necessary.
10. Surface traffic may begin 2 hours after removal of coating.

Refer to data sheet DS235.0 for more information.

For spot or small area deep cleaning: STONECHEM DeepKlene™ Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONECHEM DeepKlene™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. Rinsed cleaned area with an appropriate STONECHEM sealer (e.g. STONECHEM BulletProof® Sealer).

Refer to data sheet DS0111.2 for more information.

For cleaning and removing soap scum:

STONECHEM Soap Scum Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eye-wear and gloves. Keep children and pets out of the area during application and drying.

1. Spry STONECHEM Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

Refer to data sheet DS229.0 for more information.

For cleaning and removing mold and mildew:

STONECHEM Mold & Mildew Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eye-wear and gloves. Keep children and pets out of the area during application and drying.

1. Spry STONECHEM Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled areas.

Refer to data sheet DS 219.0 for more information.

For oil stain removal:

STONECHEM Oil Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Make sure surface is clean, dry, and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F and 90°F (10 °C and 26 °C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a ¼ (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” – 2” (25 – 50mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONECHEM Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONECHEM Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reseal the cleaned area with an appropriate STONECHEM sealer (e.g. STONECHEM BulletProof® Sealer).

Refer to data sheet DS 214.0 for more information.

Mechanical Refinishing for Unpolished, Honed, or Textured Marble

STONECHEM Honing Powders

This refinishing process is designed for scratch, etch and wear pattern removal and will restore the stone’s surface to a uniform matte finish. Depending on the severity of the damage to the stone and/or the desired surface appearance, use one or more of the grit levels (180/280/400/600/800) of the STONECHEM Honing Powders. Refinishing requires using a handheld low speed sander/polisher or an orbital sander for counters, walls or wall edges. For floors use a weighted 175 rpm floor machine (130 lbs – 140 lbs). Hand machines and floor machines need to be fitted with a natural horse hair pad or a white nylon polishing pad. A tampico brush can be used on machines for textured stone floors & walls.

For refinishing to a honed finish:

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

1. If surface is heavily soiled, pre-clean with STONECHEM KleenAll™ Cleaner if needed.
2. Mask off and protect any baseboards or adjacent areas to avoid splashing and over-spray onto surfaces not intended to be treated.
3. If you are using a variety of abrasive grits, ensure that the surface is well rinsed and a new pad is used for each changeover.
4. Apply approximately 1/2 cup (118 ml) STONECHEM Honing Powder plus 1 cup (237 ml) clean water directly onto the stone surface.
5. Rinse off used honing powder and a 175 rpm, weighted floor machine at 130 to 140 lbs. (59.1 to 63.6 kg) fitted with a natural horse hair pad.
6. Keep compound wet while refinishing with plenty of water. Add STONECHEM Honing Powder as needed.
7. Rinse area until the desired level of honing has been achieved.
8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.
9. Clean equipment with water.
10. Rinsed area with an appropriate stoner sealer (e.g. STONECHEM BulletProof® Sealer).

Refer to data sheet DS225.0 for more information.

Use successively higher grits of STONECHEM Honing Powder (up to the 800 grit) repeating steps 5 through 10 if a finer honed finish is desired.

Sealing and Protecting:

All marble is susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in marble tile installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining:

STONECHEM BulletProof® Sealer (or any natural look STONECHEM sealer*)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F and 90°F (10 °C and 26 °C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONECHEM BulletProof Sealer using a paint pad, roller, brush or sprayer
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
### Unpolished, Honed and Textured Marble – MCI 107 continued

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Heavy Duty Exterior Sealer with a paint pad, paintbrush, roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5–15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove. Full cure is achieved in 24–72 hours. Surface use may resume in 4–6 hours.
7. Clean up promptly after job is complete, since rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area for even penetration. Surface temperature should be between 50°F – 80°F (10°C - 26°C). STONETECH High Gloss Finishing Sealer should not be applied to a dirty or dusty surface to affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F – 80°F (10°C - 26°C). STONETECH High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment.
8. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area. After rags are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS217.4 for more information.

### For a natural look water repellent on exterior surfaces:

**STONETECH® Heavy Duty Exterior Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 35°F - 90°F (2°C - 32°C). Keep children and pets out of the area until surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Heavy Duty Exterior Sealer with a paint pad, paintbrush, roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5–15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove. Full cure is achieved in 24–72 hours. Surface use may resume in 4–6 hours.
7. Clean up promptly after job is complete, since rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area. After rags are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS217.4 for more information.

### For a color enhancing impregnating sealer for interior surfaces:

**STONETECH® Enhancer Pro™ Sealer (Solvent-based)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 24–72 hours. Surface temperature should be between 50°F – 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low-pressure sprayer, or pump-up garden sprayer. Avoid product of drying during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS217.5 for more information.

### For a color enhancing topical sealer (two options):

1. **STONETECH® High Gloss Finishing Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F – 80°F (10°C - 26°C). STONETECH High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment.

For new installations with grout, sealer can be applied as soon as 24 hours after grouting. Fresh concrete slabs require a minimum of 28 days to dry before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low-pressure sprayer, or pump-up garden sprayer. Avoid product of drying during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS217.5 for more information.

### For a color enhancing impregnating sealer for interior and exterior surfaces:

**STONETECH® Enhancer Pro™ Sealer (Water-based)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 24–72 hours. Surface temperature should be between 50°F – 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Apply STONETECH® Enhancer Pro™ evenly and liberally using a paint pad, low-pressure chemical-resistant sprayer, roller or brush. Avoid applying sealer on untreated surfaces.
3. Allow sealer to penetrate surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a clean dry towel. DO NOT ALLOW EXCESS TO DRY COMPLETELY ON SURFACE.
5. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 2 hours after initial application following directions in steps 1–4.
6. A full cure is achieved after 24–72 hours. Surface traffic may begin in 6–8 hours. If needed, cover the floor with red rain paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.

Refer to data sheet DS211.4-1016 for more information.

### For a salt water resistant protector:

**STONETECH® Salt Water Resistant Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 24–72 hours. Surface temperature should be between 50°F – 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® Salt Water Resistant Sealer with a natural bristle paint brush, paint roller, low-pressure sprayer, or pump-up garden sprayer. Avoid product of drying during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS210.5 for more information.

### For a color enhancing impregnating sealer for interior and exterior surfaces:

**STONETECH® Enhancer Pro™ Sealer (Solvent-based)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 24–72 hours. Surface temperature should be between 50°F – 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low-pressure sprayer, or pump-up garden sprayer. Avoid product of drying during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.
REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of polished terrazzo or agglomerate marble surfaces will involve keeping dirt, dust and other soiling from building up. Soils, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same, only the scale will change. Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming Polished Terrazzo or Agglomerate Marble, grout or degrading any applied sealers.

Maintenance Cleaning

Both routine damp mopping and monthly scrub cleanings of limestone surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for unpolished, honed or textured limestone surfaces.

For routine cleaning of polished terrazzo and agglomerate marbles with a cleaner and a protector:

STONETECH Revitalizer® Cleaner & Protector (Concentrate)

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Revitalizer® Cleaner & Protector (Concentrate) with warm water according to the following mixing chart.

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer® Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Bottle</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.
3. Rub surface lightly and remove any excess cleaner. No need to rinse.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spread evenly with a clean cloth.
3. Buff until there is no visible liquid and a high shine appears.
4. Wipe clean with a dry towel.

For a brilliant shine on countertops and vanities:

STONETECH Polish

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine the desired results will be achieved. Make sure surface is clean, dry and free of waxes and coatings.

1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spread evenly with a clean cloth.
3. Buff until there is no visible liquid and a high shine appears.

Note: STONETECH Polish is not intended for floors as it may create a slipping hazard. It is not a restorative process for worn or damaged marble surfaces. Please refer to data sheet DS211.0 for more information.

NEW INSTALLATION PRE-GROUT TREATMENT

Grouting cleaning is often easier when the stone is sealed prior to grouting. Light colored or porous polished terrazzo and agglomerate marbles are susceptible to grout staining and may benefit from sealing prior to grouting.

For routine cleaning of polished terrazzo and agglomerate marbles with a cleaner:

STONETECH Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart.

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

For a pre-grout sealer for polished terrazzo and agglomerate marble:

STONETECH Heavy Duty Sealer

Pre-Grout Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to dry surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH Heavy Duty Sealer

Pre-Grout Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to dry surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH KlenzAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.
Polished Terrazzo and Agglomerate Marbles – MCI 117 continued

The following is a restorative surface cleaning process which is done in preparation for recoating or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KleanAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KleanAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unsealed surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH KleanAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.

5. Rinse area well with clean water. Allow area to dry completely.

6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.

7. Reapply cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

This type of restorative surface cleaning process is typically performed with an acid cleaning compound. The use of acid cleaners will damage or affect the surface appearance of polished Terrazzo or Agglomerate Marble. Surface refinishing may be required to remove mineral based deposits or stains from a polished Terrazzo or Agglomerate Marble surface. Consulting a stone restoration professional is recommended.

Removal of epoxy or single component grout haze, stripping topical coatings, acrylic finishes or heavy wax:

STONETECH® Heavy Duty Coating Stripper

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10°C - 32°C).

1. SHAKE WELL BEFORE USING. Do not dilute before applying.

2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.

3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the required area with a paint brush, mop, or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to these surfaces.

4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polysulfane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy Grout Haze</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.

6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.

7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.

8. Rinse surface well with clean water.

9. More than one application may be required, repeat steps 3 through 8 when necessary.

10. Surface traffic may begin 2 hours after removal of coating. Refer to data sheet DS253.0 for more information.

For spot or small area deep cleaning:

STONETECH DeepKlenz™ Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto desired area.

2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.

3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.

4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavily soiled areas.

5. Reapply cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS111.2 for more information.

For cleaning and removing soap scum:

STONETECH Soap Scum Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10°C - 32°C).

1. Thoroughly wet surface by directly spraying onto soiled area.

2. Apply a ¼” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50mm) beyond the edge of the stain.

3. If you are using a variety of abrasive grits, ensure that the surface is well-veneered or sealed.

4. Apply STONETECH DeepKlenz™ Cleaner onto the surface.

5. Allow STONETECH DeepKlenz™ Cleaner to work for 5-10 minutes. Do NOT allow product to dry on the surface.

6. Using a plastic or wood spatula, stir thoroughly to mix the paste.

7. Apply a ¼” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50mm) beyond the edge of the stain.

8. Do not cover.

9. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.

10. Once the surface is dry, reseal the cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS214.0 for more information.

Mechanical Refinishing for polished terrazzo or agglomerate marbles

STONETECH Honing & Polishing Powders

This refinishing process is designed for scratch, etch and wear pattern removal and will restore the stone’s surface to a uniform finish and shine. Depending on the severity of the wear or damage to the stone, one, two or more of the grit levels (100/280/400/600/800) of the STONETECH Honing Powders bring the stone up to an even, uniform 800 grit finish. After the honing steps, follow with the STONETECH Polishing Powder to create the final shine.

Refinishing requires using a hand-held low speed sander/polisher or an orbital sander for counters, walls or floors. For floors use a weighted 175 rpm floor machine (130 - 140) (59.1 - 63.6 kgf). Hard machines and floor machines need to be fitted with a natural hair pad or a white nylon polishing pad.

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

For refinishing to a polished finish:

1. If surface is heavily soiled, pre-clean with STONETECH KleanAll™ Cleaner if needed.

2. Mask off and protect any baseboards or adjacent areas to avoid splashing and overspray onto surfaces not intended to be treated.

3. If you are using a variety of abrasive grits, ensure that the surface is well-veneered and new pad is used for each changeover.

4. Apply approximately 1/2 cup (118 ml) STONETECH Honing Powder grits 1 cup (237 ml) water directly onto the stone surface.

5. Refinish using a hand held orbital sander or weighted floor machine at 130-140 lbs. (59.4-64.4 kg). 175 rpm, fitted with a natural hair pad.

6. Keep compound wet while refinishing with plenty of water. Add STONETECH Honing Powder as needed.

7. Use successively higher numbered grits of STONETECH Honing Powder to close the face of the stone and follow with STONETECH Polishing Powder applied as in steps 5-10 above. Repeat as needed to achieve the desired level of shine.

8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.

9. Clean equipment with water.

10. Recess polished area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS 225.5 and DS224.5 for more information.
Polished Terrazzo and Agglomerate Marbles – MCI 117 continued

SEALING AND PROTECTING:
Polished terrazzo and agglomerate marbles are susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in polished terrazzo or agglomerate marble tile installations will also be more stain resistant with the application of a penetrating sealer.

For natural looking protection for polished terrazzo and agglomerate marbles and grout installations:

STONEtech® Heavy Duty Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONEtech® Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.
POLISHED OR LESS ABSORPTIVE GRANITE

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of polished granite surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations, these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone. No and/or grout sealers and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the granite, the grout, or degrading any applied sealers.

Maintenance Cleaning

Both routine damp mopping and monthly scrub cleanings of granite surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations. STONETECH has two maintenance cleaners suitable for unpolished, honed or textured granite surfaces.

For routine maintenance of polished granite installations with a cleaner and protector:

STONETECH® Revitalizer® Cleaner & Protector (Concentrate)

- Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.
- Dilute STONETECH Revitalizer® Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Revitalizer® Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

1. Apply diluted solution with a duster mop, sponge or low pressure sprayer.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Buff until there is no visible liquid and a high shine appears.
4. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
5. Wipe clean with a dry towel.

For a brilliant shine on countertops and vanities:

STONETECH Polish

- Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.
- Spray a light coat of STONETECH Polish over the entire surface.
- Spread evenly with a clean cloth.
- Buff until there is no visible liquid and a high shine appears.

For a brilliant shine on countertops and vanities:

STONETECH Polish

- Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.
- Spray a light coat of STONETECH Polish over the entire surface.
- Spread evenly with a clean cloth.
- Buff until there is no visible liquid and a high shine appears.

NEW INSTALLATION PRE-GROUT TREATMENT

GROUTING is often easier when the stone is sealed prior to grouting. Light colored or porous polished marbles are susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the tile is porous. If the marble darkens after applying water to the stone surface and waiting for 5 minutes, the tile is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. On a polished marble tile that does darken with water a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for polished marble:

STONETECH Heavy Duty Sealer

- Pre-Grout Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Wipe off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-45 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.

For a pre-grout sealer for polished marble:

STONETECH Heavy Duty Sealer

Pre-Grout Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Wipe off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-45 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.

FOR QUESTIONS CALL 800.44-LATICRETE (800.445.2483) OR EMAIL LATICRETEINFO@LATICRETE.COM. WEBSITE: WWW.LATICRETE.COM.
Polished or Less Absorbent Granite – MCI 108 continued

RESTORATIVE DEEP CLEANING
Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for res Sealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the polished terrazzo or agglomerate marble, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for res Sealing:

**STONETECH® KlenzAll™ Cleaner (Concentrate)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for res Sealing or for specialized surface cleaning circumstances. This process should not damage the stone surface; however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KlenzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KlenzAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>3 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11.0</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

2. Mix well before using. Do not dilute before applying. Always dilute required amount into sufficient water.

3. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on untreated surfaces.

4. Lightly scrub with a scrub brush or floor machine as needed.

5. Rinse area well with clean water. Allow area to dry completely.

6. Allow solvent to completely dry from the stone.

7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.

8. Thoroughly rinse all metal surfaces with clean water. Clean and rinse equipment with water.

9. Reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof®).

Refer to data sheet DS216.0 for more information.

**Removal of epoxy or composite garnet hazes, stripping topical coatings, acrylic finishes or heavy waxes:**

**STONETECH® Heavy Duty Coating Stripper**

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10°C - 32°C).

1. SNOW WELL BEFORE USING. Do not dilute before applying.

2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.

3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the required area with a paint brush, mop or spray. Do NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.

4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy or Paint</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH® Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.

6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.

7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.

8. Rinse surface well with clean water.

9. More than one application may be required, repeat steps 3 through 8 when necessary.

10. Surface traffic may begin 2 hours after removal of coating.

Refer to data sheet DS235.0 for more information.

**For spot or small area deep cleaning:**

**STONETECH DeepKlenz™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.

2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.

3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.

4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.

5. Reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS111.2 for more information.

For cleaning and removing soap scum:

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.

2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.

3. Rinse area well with clean water.

4. Wipe area dry with clean cloth.

5. Repeat as needed for heavily soiled areas.

Refer to data sheet DS229.0 for more information.

For cleaning and removing mold and mildew:

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.

2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.

3. Rinse area well with clean water.

4. Repeat as needed for heavily soiled areas.

Refer to data sheet DS 219.0 for more information.

For oil stain removal:

**STONETECH Oil Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is dry and clean.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.

2. Apply a 1/4” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50mm) beyond the edge of the stain.

3. Do not cover.

4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.

5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.

6. Allow solvent to completely dry from the stone.

7. If stain is not completely gone after drying, repeat process.

8. Clean up residue and tools with mineral spirits.

9. Once the surface is dry, reseal the cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS 214.0 for more information.
Polished or Less Absorptive Granite — MCI 108 continued

SEALING AND PROTECTING:
Polished granite is susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in marble tile installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining:
STONECH natural look sealer (for any appropriate STONECH natural look sealer)
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new great installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
7. If sealer was not completely wiped off and a residue appears, wipe entire treated surface with red rosin paper to protect it until full cure is achieved. Allow sealers to penetrate the surface for 5-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the treated surface resumes sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.

For a natural look water repellent on exterior surfaces:
STONECH Heavy Duty Exterior Sealer
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new great installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Keep children and pets out of the area until surface use resumes.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONECH Heavy Duty Exterior Sealer with a paint pad, paintbrush, paint roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5-15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove.
7. Full cure is achieved in 24–72 hours. Surface use may resume in 4-6 hours.
8. Clean up promptly after job is complete, since rags and equipment that are wet with product may be combustible. Clean equipment with mineral spirits and allow equipment and rags to dry in a well-ventilated area out of reach of children and pets. After rags are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS212.5 for more information.
POLISHED, ABSORPTIVE GRANITE

REGULAR MAINTENANCE AND CARE
Routine, daily maintenance of polished granite surfaces will involve keeping dirt, dust, and other soiling from building up. Spills, food, and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations, these processes remain the same, only the scale will change.

Highly alkaline, acidic, amonia based, abrasive cleaners, or bleach may damage some stone, tile, and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile, and grout maintenance is the best assurance of not harming the granite, the grout, or degrading any applied sealers.

MAINTENANCE CLEANING
Both routine damp mopping and monthly scrub cleanings of polished granite surfaces can be accomplished with STONETECH® Revitalizer Cleaner and Protector. These types of cleaning can be accomplished using a bucket and mop while a wet/dry vacuum is helpful for cleaning big floors. For commercial applications, a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations.

For routine maintenance of polished granite installations with a cleaner and protector:
STONETECH® Revitalizer Cleaner and Protector (Concentrate)
Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Revitalizer Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.
3. Rinse surface lightly and remove any excess cleaner. No need to rinse.
4. Repeat if necessary for heavily soiled areas.
5. Let area dry completely before using.

STONETECH Revitalizer Cleaner and Protector (Ready-To-Use)
Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

For a brilliant shine on polished granite countertops and vanities:
STONETECH Polish
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Make sure surface is clean, dry and free of waxes and coatings. STONETECH® Polish is not intended for floors as it may create a slipping hazard. It is not a restorative process for worn or damaged marble surfaces.

1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spread evenly with a clean cloth.
3. Buff until there is a visible liquid and a high shine appears.

For routine cleaning of polished granite installations with a cleaner:
STONETECH Stone & Tile Cleaner (Concentrate)
Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)
Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:
STONETECH Heavy Duty Sealer
For routine maintenance of polished granite installations with a cleaner and protector:
STONETECH® Revitalizer Cleaner and Protector (Concentrate)
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Make sure surface is clean, dry and free of waxes and coatings. STONETECH® Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 1-2 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-60 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water. Refer to data sheet DS277.0 for more information.

RESTORATIVE DEEP CLEANING
Stone, tile, and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the stone surface, however, these types of heavy duty cleaning may degrade or chip small sealers from the application.

Depending on the type of soiling or staining, select one of the following options:
For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:
STONETECH KleenZall™ Cleaner
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

For cleaning, grease, oil, dirt, dry soil, or to prepare for resealing:
STONETECH® Revitalizer Cleaner and Protector (Concentrate)
The following is a restorative surface cleaning process which is done in preparation for resealing or for significant surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KlenzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KlenzAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Moderate Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11.3</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td></td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unsealed surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH KlenzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Re SEAL cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

**STONETECH® Restore™ Acidic Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH Restore™ Acidic Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Restore™ Acidic Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Moderate Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Remove STONETECH Restore Acidic Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water and wipe dry.
6. Thoroughly rinse all metal surfaces with clean water. Clean and rinse equipment with water.
7. Repeat cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof ).

Refer to data sheet DS211.0 for more information.

Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

**STONETECH® Heavy Duty Coating Stripper**

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 59°F - 90°F (15°C - 32°C).

1. **SHAKE WELL BEFORE USING. Do not dilute before applying.**
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the required area with a paint brush, mop or pant pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to these surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy Grout haze</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.
8. Rinse surface well with clean water. More than one application may be required, repeat steps 3 through 8 when necessary.
9. Surface traffic may begin 2 hours after removal of coating. Refer to data sheet DS235.0 for more information.

For spot or small area deep cleaning:

**STONETECH DeepKlenz™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. Re SEAL cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

Refer to data sheet DS211.1.2 for more information.

For cleaning and removing soap scum:

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily-soiled areas.

Refer to data sheet DS229.0 for more information.

For cleaning and removing mold and mildew:

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled areas.

Refer to data sheet DS 219.0 for more information.

For all stain removal:

**STONETECH Oil Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a ¼” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 - 50 mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and hose with mineral spirits.
9. Once the surface is dry, re SEAL the cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof ).

Refer to data sheet DS 214.0 for more information.
SEALING AND PROTECTING:
Polished granite is susceptible to staining from both oil- and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in granite tile installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining:
STONETECH® BulletProof® Sealer (or any appropriate STONETECH natural look sealer)
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® BulletProof® Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 2-5.
7. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 4-6 hours. If use of the surface must resume sooner, cover the treated surface with red main paper to protect it until full cure has been achieved.
9. Clean tools used during application with water.

Refer to data sheet DS282.0 for more information.

For a natural look water repellent on exterior surfaces:
STONETECH Heavy Duty Exterior Sealer
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Keep children and pets out of the area until surface care resumes.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Heavy Duty Exterior Sealer with a paint pad, paintbrush, paint roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5–15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2–4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove.
7. Full cure is achieved in 24–72 hours. Surface use may resume in 4–6 hours.
8. Clean up promptly after job is complete, since rags and equipment that are wet with product may be combustible. Clean equipment with mineral spirits and allow equipment and rags to dry in a well-ventilated area out of reach of children and pets. After rags are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS212.5 for more information.
**UNPOLISHED, HONED AND TEXTURED GRANITE**

**REGULAR MAINTENANCE AND CARE**

Routine, daily maintenance of polished granite surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light dust mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone. No and/or outdoor surfaces and may also degrade an applied sealer, adversely affecting stone appearance. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the granite, the grout, or degrading any applied sealers.

**MAINTENANCE CLEANING**

Both routine dust mopping and每月ly scrub cleanings of granite surfaces can be accomplished using sponges, brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning high floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for unpolished, honed or textured granite surfaces.

For routine cleaning of unpolished, honed or textured granite use a cleaner and protector:

**STONETECH® Revitalizer™ Cleaner and Protector (Concentrate)**

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Revitalizer Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Revitalizer Cleaner and Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 part</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.

3. Rub surface lightly and remove any excess cleaner. No need to rinse.

4. Repeat if necessary for heavily soilied areas.

5. Let area dry completely before using.

6. STONETECH Revitalizer Cleaner and Protector (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. To refill 24 oz. (709 mL) spray bottle, use a funnel.

2. Spray or pour directly onto soiled area.

3. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.

4. Repeat for heavily soiled areas using an non-abrasive scrubbing pad.

5. Wipe clean with a dry towel.

Refer to data sheet DS212.0 for more information.

**NEW INSTALLATION PRE-GROUT TREATMENT**

Grouting is often easier when the stone is sealed prior to grouting. Unpolished, honed or textured granite can be porous and susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the stone is porous. If the granite darkens after applying water to the stone surface and waiting for 5 minutes, the stone is absorbent and a sealer prior to grouting may aid in clean up after grouting. For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for unpolished, honed or textured granite: **STONETECH Heavy Duty Sealer**

Pre-Grout Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-60 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

Reference data sheet DS279.0 for more information.

**RESTOREATIVE DEEP CLEANING**

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the unpolished granite, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing: **STONETECH KleinZAll™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH KleinZAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KleinZAll Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low pressure sprayer. Avoid applying cleaner on untreated surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH KleinZAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
Unpolished, Honed and Textured Granite – MCI 110 continued

5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.

7. Recess cleaned area with an appropriate STONETECH® sealer (e.g. STONETECH® BulletProofSealer).
Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

STONEVENTECH® Restore™ Acrylic Cleaner
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH® Restore™ Acrylic Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Restore™ Acrylic Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>1 part</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Remove STONETECH® Restore Acrylic Cleaner using a clean cloth, wet/dry vacuum or dump mop.
5. Rinse area well with clean water and wipe dry.
6. Thoroughly reroll all metal surfaces with clean water. Clean and rinse equipment with water.
7. Recess cleaned area with an appropriate STONEVENTECH® sealer (e.g. STONETECH® BulletProofSealer).
Refer to data sheet DS216.0 for more information.

Removal of epoxy or single component grout haze, stripping topical coatings, acrylic finishes or heavy waxes:

STONEVENTECH® Heavy Duty Coating Stripper
Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONEVENTECH Heavy Duty Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPACKER. Immediately remove STONEVENTECH Heavy Duty Coating Stripper from untreated surfaces with a wet cloth to prevent potential damage to those surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy Grout</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONEVENTECH Heavy Duty Coating Stripper dry on the surface. If STONEVENTECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONEVENTECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.
8. Rinse surface well with clean water.
9. More than one application may be required, repeat steps 3 through 8 when necessary.

STONEVENTECH® DeepKlenz™ Cleaner
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONEVENTECH® DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a soft bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavily soiled areas.
5. Recess cleaned area with an appropriate STONEVENTECH sealer (e.g. STONETECH® BulletProofSealer).
Refer to data sheet DS111.2 for more information.

For cleaning and removing soap scum:

STONEVENTECH Soap Scum Remover
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Apply STONEVENTECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

For spot or small area deep cleaning:

STONEVENTECH Oil Stain Remover
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry and clean.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a 1/4” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50 mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONEVENTECH Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONEVENTECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reseal the cleaned area with an appropriate STONEVENTECH sealer (e.g. STONETECH® BulletProofSealer).
Refer to data sheet DS 214.0 for more information.

SEALING AND PROTECTING:

Most granite is susceptible to staining from both oil- and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in granite tile installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining:

STONEVENTECH BulletProofSealer (or any natural look STONEVENTECH sealer*)
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area during application and until surface is treated is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONEVENTECH BulletProofSealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During the time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-45 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the implicated section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may begin when necessary.
9. Clean tools used during application with water.

Refer to data sheet DS 216.0 for more information.

* If another STONEVENTECH® natural look sealer is used, please follow the instructions stated on the product data sheet or label.

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Maintenance & Care Instructions and Product Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com

For all stain removal:

STONEVENTECH Oil Stain Remover
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a 1/4” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50 mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONEVENTECH Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONEVENTECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reseal the cleaned area with an appropriate STONEVENTECH sealer (e.g. STONETECH® BulletProofSealer).
Refer to data sheet DS 214.0 for more information.
For a natural look water repellent on exterior surfaces:

**STONETECT Heavy Duty Exterior Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Keep children and pets out of the area until surface cure resorces.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Heavy Duty Exterior Sealer with a paint pad, paintbrush, roller or roller-resin, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5-15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove.
7. Full cure is achieved in 24-72 hours. Surface use may resume in 4-6 hours.
8. Clean up promptly after job is complete, since rags and equipment that are wet with product may be combustible. Clean equipment with mineral spirits and allow equipment and rags to dry in a well-ventilated area out of reach of children and pets. After rags are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS212.5 for more information.

**For a water resistant protector:**

**STONETECT Salt Water Resistant Sealer**

Not intended for use on surfaces that have been previously exposed to salt water or desalting salts. Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings. Surface temperature should be between 50°F - 90°F (2°C - 32°C). Keep children and pets out of the area until surface use resorces.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECT Salt Water Resistant Sealer with a brush, paint pad, roller or roller-resin. Do not thin before using.
3. Allow sealer to penetrate the surface for 15-20 minutes. During this time, distribute excess sealer over entire area to ensure even penetration. Do not allow sealer to pool on the surface. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. For protection against desalting salts, a second coat is recommended and should be applied 15-20 minutes after the initial application as directed in steps 2-4.
6. The sealer should be fully cured prior to water contacting the surface. Full cure is achieved in 72 hours. If there is a possibility of rain within the 72 hour cure time, cover surface so it remains dry.
7. Clean tools used during application with water.
8. If resistance to oil stains is also desired, apply STONETECH Bulletproof® Sealer after STONETECT Salt Water Resistant Sealer has fully cured.

Refer to data sheet DS288.0 for more information.

For a color enhancing impregnating sealer for interior and exterior surfaces:

**STONETECT Enhancer Pro™ Sealer (Solvent Based)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for at least 72 hours prior to application. Be sure surface is clean, thoroughly dry and free of sealers, waxes and coatings. Not recommended for exterior surfaces. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Avoid skin and eye contact. Wear protective eyewear and gloves. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Shake well before using.
2. Apply STONETECT Enhancer Sealer evenly and liberally using a paint pad, low-pressure chemical-resistant sprayer, roller or brush. Avoid applying sealer on unsealed surfaces.
3. Allow sealer to penetrate surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a dry clean towel. DO NOT ALLOW EXCESS SEALER TO DRY COMPLETELY ON SURFACE.
5. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 1 hour after start of initial application following directions in steps 1-4.
6. A full cure is achieved after 24–72 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.

Refer to data sheet DS217.5 for more information.

**For a high gloss finishing sealer:**

**STONETECT Enhancer Sealer (Water-based)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for at least 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Avoid skin and eye contact. Wear protective eyewear and gloves. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Shake well before using.
2. Apply STONETECT Enhancer Sealer evenly and liberally using a paint pad, low-pressure chemical-resistant sprayer, roller or brush. Avoid applying sealer on unsealed surfaces.
3. Allow sealer to penetrate surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a dry clean towel. DO NOT ALLOW EXCESS SEALER TO DRY COMPLETELY ON SURFACE.
5. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 1 hour after start of initial application following directions in steps 1-4.
6. A full cure is achieved after 24–72 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.

Refer to data sheet DS217.5 for more information.

For a color enhancing topical protective sealer (two options):

**STONETECT High Gloss Finishing Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F - 80°F (10°C - 26°C). STONETECT High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAVE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECT High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low pressure sprayer, or pump-up garden sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS219.5 for more information.

**STONETECT Semi Gloss Finishing Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F - 80°F (10°C - 26°C). STONETECT Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAVE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECT Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low pressure sprayer, or pump-up garden sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.
**POLISHED LIMESTONE**

**NOTE:** For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

### REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of polished limestone surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same, only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the limestone, grout or degrading any applied sealers.

**Maintenance Cleaning**

Both routine dump mopping and monthly scrub cleanings of polished limestone surfaces can be accomplished with STONETECH Revitalizer® Cleaner and Protector. These types of cleaning can be accomplished using a bucket and mop or a low-pressure sprayer will help maintain larger installations.

For routine cleaning of polished limestone with a cleaner and protector:

**STONETECH® Revitalizer® Cleaner and Protector (Concentrate)**

Read entire label before using. Use only as directed. Avoid skin and eye contact. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Revitalizer Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer® Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a mop, towel, sponge or low pressure sprayer.
3. Rub surfaces lightly and remove any excess cleaner. No need to rinse.
4. Repeat if necessary for heavily soiled areas.
5. Let area dry completely before using.

**STONETECH Revitalizer Cleaner and Protector (Ready-To-Use)**

Read entire label before using. Use only as directed. Avoid skin and eye contact. Keep children and pets out of the area during application and drying.

1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spray a light coat of STONETECH Polish over the entire surface.
3. Spread evenly with a clean cloth.
4. Buff until there is no visible liquid and a high shine appears.
5. Refer to data sheet DS211.0 for more information.

For a brilliant shine on countertops and vanities:

**STONETECH Polish**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry and free of waxes and coatings. STONETECH Polish is not intended for floors as it may create a slipping hazard. It is not a restorative process for worn or damaged marble surfaces.

Please refer to data sheet DS216.5 for more information.

### NEW INSTALLATION PRE-GROUT TREATMENT

**Grouting cleanup is often easier when the stone is sealed prior to grouting. Light colored or porous polished limestones are susceptible to grout staining and may benefit from sealing prior to grouting.**

A simple water test can be performed to identify if the stone is porous. If the limestone darken after applying water to the stone surface and waiting for 5 minutes, the stone is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. On a polished limestone that does darken with water a simple application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-great sealer for polished limestone:

**STONETECH Heavy Duty Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off areas not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent cloths.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water. Refer to data sheet DS279.0 for more information.

**RESTORATIVE DEEP CLEANING**

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the polished limestone, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

**For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:**

**STONETECH KleenAll™ Cleaner (Concentrate)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off areas not intended to be treated.
3. Liberally apply an even coat of STONETECH KleenAll using a paint pad, roller, brush or low-pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent cloths.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water. Refer to data sheet DS279.0 for more information.
Polished Limestone — MCI 111 continued

The following is a restorative surface cleaning process which is done in preparation for restoring or for specialized surface cleaning circumstances. This process should not damage the stone surface; however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KleanMCI™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KleanMCI™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unpolished surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH® KleanMCI Cleaner using a clean cloth, wet/dry vacuum or damp mop.

5. Rinse area well with clean water. Allow area to dry completely.

6. Some surfaces may require additional cleaning. If so, repeat steps 2-5 above.

7. Reveal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer). Refer to data sheet DS215.0 for more information.

**Removal of efflorescence, mineral deposits, and calcium based staining:**

This type of restorative surface cleaning process is typically performed with an acidic cleaning compound. The use of acidic cleaners will damage or affect the surface appearance of polished limestones. Surface refinishing may be required to remove mineral based deposits or stains from a polished limestone surface. Consulting a stone restoration professional is recommended.

**Removal of epoxy or single component grout hazes, stripping topical coatings, acryllic finishes or heavy waxes:**

STONETECH® Heavy Duty Coating Stripper

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10 °C - 32 °C).

1. SHAKE WELL BEFORE USING. Do not dilute before applying.

2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.

3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from uninterrupted surfaces with a wet cloth to prevent potential damage to those surfaces.

4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy Grout Haze</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.

6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.

7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.

8. Rinse surface well with clean water.

9. More than one application may be required, repeat steps 3 through 8 when necessary.

10. Surface traffic may begin 2 hours after removal of coating. Refer to data sheet DS215.0 for more information.

**For spot or small area deep cleaning: STONETECH® DeepKleen™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soaked area.

2. Allow STONETECH DeepKleen™ Cleaner to work on the surface for 5-10 minutes. DO NOT allow product to dry on the surface.

3. Lightly scrub with a stiff brush to remove the surface contaminants.

4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.

5. Reveal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer). Refer to data sheet DS111.2 for more information.

**For cleaning and removing soap scum:**

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.

2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.

3. Rinse area well with clean water.

4. Wipe area dry with clean cloth.

5. Repeat as needed for heavily soiled areas. Refer to data sheet DS229.0 for more information.

**For cleaning and removing mold and mildew:**

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.

2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.

3. Rinse area well with clean water.

4. Wipe area dry with clean cloth.

5. Repeat as needed for heavily soiled areas. Refer to data sheet DS229.0 for more information.

**Mechanical Refinishing for Polished Limestone**

STONETECH Honing & Polishing Powders

This refreshing process is designed for scratch, etch and wear pattern removal and will restore the stone’s surface to a uniform finish and shine. Depending on the severity of the wear or damage to the stone use, in succession, one or more of the grit levels (100/280/400/600/800) of the STONETECH Honing Powders bringing the stone up to an even, uniform 600 grit finish. After the honing steps, follow with the STONETECH Polishing Powder to create the final shine.

Refinishing requires using a hand-held low speed sander/polisher or an orbital sander for counters, walls or floor edges. For floors use a weighted 175 rpm floor machine (130 – 140 lbs 59.1 – 63.8 kg). Hand machines and floor machines need to be fitted with a natural hair pad or a white nylon polishing pad.

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Allow new great installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

For refinishing to a polished finish:

1. If surface is heavily soiled, pre-clean with STONETECH KleanMCI Cleaner if needed.

2. Mask off and protect any broad areas or adjacent areas to avoid splashing and overspray onto surfaces not intended to be treated.

3. If you are using a variety of abrasive grits, ensure that the surface is well mixed and a new pad is used for each coarseness.

4. Apply approximately 1/2 cup (118 mL) STONETECH Honing Powder plus 1 cup (237 mL) clean water directly onto the stone surface.

5. Refinish using a hand orbital sander or weighted floor machine at 130-140 lbs (59.1 – 63.8 kg). 175 rpm, fitted with a natural hair pad.

6. Keep compound wet while refinishing with plenty of water. Add STONETECH Polishing Powder as needed.

7. Use successively higher numbered grits of STONETECH Honing Powder to close the face of the stone and follow with STONETECH Polishing Powder applied as in steps 5-10 above. Repeat as needed to achieve the desired level of shine.

8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.

9. Clean equipment with water.

10. Reveal polished area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer). Refer to data sheet DS 214.0 for more information.

For all stain removal:

**STONETECH Oil Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spudula, stir thoroughly to mix the paste.

2. Apply ⅛” (6 mm) thick layer of paste to the stone. Ensure that the paste extends at least 1” - 2” (25 – 50mm) beyond the edge of the stone.

3. Do not cover.

4. Allow 40 – 72 hours for STONETECH Oil Stain Remover to dry.

5. Using a plastic spudula, remove the dried STONETECH Oil Stain Remover and discard.

6. Allow solvent to completely dry from the stone.

7. If stain is not completely gone after drying, repeat process.

8. Clean up residue and haul with minor spirits.

9. Once the surface is dry, reveal the cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer). Refer to data sheet DS 214.0 for more information.

**For removing etch marks:**

**STONETECH Honing Powder**

STONETECH Honing Powder is an abrasive honing material that is used to remove etch marks. A specific honing powder should be chosen to obtain the desired results. Refer to data sheet DS 214.0 for more information.

**Refinishing:**

The process of etch mark removal consists of the following steps:

1. Hardware to be refinshed: Clean surface. Apply STONETECH Honing Powder of the appropriate grit. Allow to dry for approximately 10 minutes. Wipe area dry with clean cloth or wet mop. A wet/dry vacuum can be used for larger area.

2. Repeat with a finer grit. Repeat steps 1-2 above.

3. Repeat final pass with STONETECH Honing Powder to achieve the desired level of shine.
Polished Limestone – MCI 111 continued

SEALING AND PROTECTING:
Polished limestone is susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in limestone tile installations will also be more stain resistant with the application of a penetrating sealer.

For natural looking protection for polished limestone and grout installations:

STONECHEM® Heavy Duty Sealer
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50° F - 80° F (10°C - 26°C). Ensure that the area is well ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONECHEM® Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.
UNPOLISHED, HONED AND TEXTURED LIMESTONE  

NOTE: For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of limestone surfaces will involve keeping dirt, dust and other soiling from building up. Exterior installations will often require more intensive maintenance and care processes. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light dust mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade any applied sealer, adversely affecting stone repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout is the best assurance of not harming the limestone, grout or degrading any applied sealers.

Maintenance Cleaning

Both routine dust mopping and monthly scrub cleanings of limestone surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big areas. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for unpolished, honed or textured limestone surfaces.

For routine cleaning of unpolished, honed or textured limestone using a cleaner and protector:

STONETECH® Revitalizer Cleaner & Protector (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Revitalizer Cleaner & Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer Cleaner &amp; Protector® (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Fill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.
3. Rub surface lightly and remove any excess cleaner. No need to rinse.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product.

1. Liberally apply an even coat of STONETECH Stone & Tile Cleaner (Concentrate) with a paint pad, roller, brush or low pressure sprayer.
2. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
3. Thoroughly wipe dry the entire surface with clean absorbent towels.
4. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
5. Allow sealer to cure for 24 hours prior to grouting.
6. Clean tools used during application with water. Refer to data sheet DS279.0 for more information.

RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for rescaling or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the unpolished limestone; however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for rescaling:

STONETECH KLENZALL™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

For routine cleaning of unpolished, honed, textured limestone and grout using a cleaner:

STONETECH Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product.

1. Liberally apply STONETECH® Stone & Tile Cleaner (Concentrate) with a paint pad or an auto-scrubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for unpolished, honed or textured limestone surfaces.

For a brilliant shine on countertops and vanities:

STONETECH Polish

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved.

Make sure surface is clean, dry and free of waxes and coatings.
1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spread evenly with a clean cloth.
3. Buff until there is no visible liquid and a high shine appears.
4. Wipe clean with a dry towel.
5. Let area dry completely before using.

FOR a FULLER SHINE on countertops and vanities:

STONETECH® Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product.

1. Liberally apply an even coat of STONETECH Stone & Tile Cleaner (Concentrate) with a paint pad, roller, brush or low pressure sprayer.
2. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
3. Thoroughly wipe dry the entire surface with clean absorbent towels.
4. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
5. Allow sealer to cure for 24 hours prior to grouting.
6. Clean tools used during application with water. Refer to data sheet DS279.0 for more information.

NEW INSTALLATION PRE-GROUT TREATMENT

Grouting cleanup is often easier when the stone is sealed prior to grouting. Unpolished, honed or textured limestone can be porous and are susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the stone is porous. If the limestone darkens after applying water to the stone surface and waiting for 5 minutes, the stone is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for unpolished, honed or textured limestone:

STONETECH Heavy Duty Sealer

Pre-Grout Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water. Refer to data sheet DS279.0 for more information.
Unpolished, Honed and Textured Limestone – MCI 112 continued

The following is a restorative surface cleaning process which is done in preparation for重新 or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy-duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KleanAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KleanAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unintended surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH KleanAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.

5. Rinse area well with clean water. Allow area to dry completely.

6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.

7. Roved cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

This type of restorative surface cleaning process is typically performed with an acidic cleaning compound. The use of acidic cleaners will damage or affect the surface appearance of many limestone finishes. Surface refinishing may be required to remove mineral based deposits or stains from a limestone surface. Consulting a stone restoration professional is recommended.

Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

STONETECH® Heavy Duty Coating Stripper

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface is completely dry. Research with contacts with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F – 90°F (10°C – 32°C).

1. SHAKE WELL BEFORE USING. Do not dilute before applying.

2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.

3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the treated area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.

4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealing, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>7 to 2 hours</td>
</tr>
<tr>
<td>Epoxy or Glaze haze</td>
<td>7 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.

6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.

7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger area.

8. Rinse surface well with clean water.

9. More than one application may be required, repeat steps 3 through 8 when necessary.

10. Surface traffic may begin 2 hours after removal of coating. Refer to data sheet DS235.0 for more information.

For spot or small area deep cleaning:

STONETECH DEEPKLENNZ™ Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Surface can be wet with water to enable easier removal of coating.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.

2. Apply a 1/4” (6 mm) thick layer of paste to the stone. Ensure that the paste extends at least 1” - 2” (25 – 50mm) beyond the edge of the stone.

3. Do not cover.

4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.

5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.

6. Allow solvent to completely dry from the stone.

7. If stone is not completely gone after drying, repeat process.

8. Clean up residue and tools with mineral spirits.

8. Clean up residue and tools with mineral spirits.

9. Once the surface is dry, resurface the cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

Refer to data sheet DS214.0 for more information.

Mechanical Refinishing for Unpolished, Honed, or Textured Limestones:

STONETECH Honing Powders

This refinishing process is designed for scratch, etch and wear pattern removal and will restore the stone’s surface to a uniform matte finish. Depending on the severity of the damage to the stone and/or the desired surface appearance, use one or more of the grit levels (100/200/400/600/800) of the STONETECH Honing Powders. Refinishing requires using a hand-held low-speed sander/polkisher or an orbital sander for counters, walls or floor edges. For floors use a weighted 175 rpm floor machine (130 lbs.-140 lbs.). Hand machines and floor machines need to be fitted with a natural hair pad or a white nylon polishing pad. A tampico brush can be used on machines for texturized stone floors & walls.

For refinishing to a honed finish:

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

1. If surface is heavily soiled, pre-clean with STONETECH KleanAll Cleaner if needed.

2. Mask off and protect any moldings or adjacent areas to avoid splashing and overspray onto surfaces not intended to be treated.

3. If you are using a variety of abrasive grits, ensure that the surface is well rinsed and a new pad is used for each changeover.

4. Apply approximately 1/2 cup (118 mL) STONETECH Honing Powder plus 1 cup (237 mL) clean water directly onto the stone surface.

5. Refinish using a hand orbital sander or 175 rpm, weighted floor machine at 1.30 to 140 lbs. (591.9 to 63.6 kg) fitted with a natural hair pad.

6. Keep compound wet while refinishing with plenty of water. Add STONETECH Honing Powder as needed.

7. Refinish area until the desired level of hone has been achieved*

8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.

9. Clean equipment with water.

10. Roved polished area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

Refer to data sheet DS225.5 for more information.

* Use successively higher grits of STONETECH® Honing Powder (up to the 800 grit) repeating steps 5 through 10 if a finer honed finish is desired.
SEALING AND PROTECTING:

All limestone is susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in limestone tile installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining:

STONETECH® BulletProof® Sealer (or any natural look STONETECH sealer)

Read entire label before using. Use only as directed. Always test in a small inconspuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off any surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH BulletProof® Sealer using a paint pad, roller, brush, or low-pressure sprayer. Do not use power sprayer.
4. Allow sealer to penetrate the surface for 5-15 minutes. After this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 24-48 hours from the initial application as directed in steps 5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full coat is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. Use of the surface must remain so clean, cover the treated surface with red nubbin paper to protect it until full cure has been achieved.
9. Clean tools used during application with water.

Refer to data sheet DS282.0 for more information.

For a natural look water repellent on exterior surfaces:

STONETECH Heavy Duty Exterior Sealer

Read entire label before using. Use only as directed. Always test in a small inconspuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and dry, and free of waxes and coatings. Recommended for exterior surfaces. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Heavy Duty Exterior Sealer using a paint pad, paintbrush, paint roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin when using. See method of application.
3. Allow sealer to penetrate the surface for 5–15 minutes; denser material may require more time to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. For protection against de-icing salts, a second coat is recommended and should be applied 15–20 minutes after the initial application as directed in steps 2.
6. The sealer should be fully cured prior to water contacting the surface. Full cure is achieved in 72 hours. For a probability of rain within the 72 hour cure time, cover surface so it remains dry.
7. Clean tools used during application with water.
8. If resistance to oil stains is also desired, apply STONETECH BulletProof Sealer after STONETECH Salt Water Resistant Sealer has fully cured. Refer to data sheet DS038.0 for more information.

For a color enhancing impregnating sealer for interior surfaces:

STONETECH Enhancer Sealer (Water-based)

Read entire label before using. Use only as directed. Test small in a inconspuous area to determine ease of application and desired results. Allow new grout installations to cure for at least 72 hours prior to application. Be sure surface is clean, thoroughly dry and free of waxes and coatings. Recommended for exterior surfaces. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Avoid skid and eye contact. Wear protective eyewear and gloves. Ensure work area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area during application and drying.

1. Shake well before using.
2. Apply STONETECH Enhancer Sealer evenly and liberally using a paint pad, low-pressure chemical-resistant sprayer, roller, or brush. Avoid applying sealer on unintended surfaces.
3. Allow sealer to penetrate surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. For maximum penetration, completely wipe surface dry with a clean, dry towel. DO NOT ALLOW EXCESS TO DRY COMPLETELY ON SURFACE.
5. For a second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 1 hour after start of initial application following directions in steps 1.
6. A full cure is achieved after 24-72 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red nubbin paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.

Refer to data sheet DS217.5 for more information.

For a color enhancing topcoating protector:

STONETECH High Gloss Finishing Sealer

Read entire label before using. Use only as directed. Test small in a inconspuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in bright sunlight, surface temperature should be 50°F - 80°F (10°C - 26°C). STONETECH High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1:3 even coats of STONETECH High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low pressure sprayer, or pump-pump garden sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS219.5 for more information.

For a salt water resistant protector:

STONETECH Salt Water Resistant Sealer

Not intended for use on surfaces that have been previously exposed to salt water or de-icing salts. Read entire label before using. Use only as directed. Always test in a small inconspuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 24-72 hours. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Salt Water Resistant Sealer using a paint pad, roller, brush, or pump-pump garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using.
3. Allow sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON SURFACE. Failure to remove excess sealer from surface may result in residue that may need to be mechanically removed.
4. Thoroughly wipe surface with multiple dry cloths to remove all excess sealer.
5. A second coat may be needed for more absorbent surfaces or if a darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2.
6. Full cure is achieved after 24-72 hours. Avoid surface traffic for 6-8 hours after application. If surface traffic must resume sooner, cover the floor with red nubbin paper to protect it until full cure has been achieved. Red nubbin paper is not needed to apply second coat.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Avoid nags to dry in a well-ventilated area out of reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS212.5 for more information.
STONETECH® Semi Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dusty or dirty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F – 80°F (10°C - 26°C). STONETECH® Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.
**POLISHED TRAVERTINE**

**NOTE:** For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

**REGULAR MAINTENANCE AND CARE**

Routine, daily maintenance of polished travertine surfaces will involve keeping dirt, dust and other soils from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone. No and/or great surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the travertine, grout or degrading any applied sealers.

**Maintenance Cleaning**

Both routine damp mopping and monthly scrub cleanings of granite surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning large floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for unpolished, honed or textured granite surfaces.

For routine cleaning of polished travertine using a cleaner and protector:

**STONETECH® Revitalizer® Cleaner and Protector (Concentrate)**

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Revitalizer Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.
3. Rub surface lightly and remove any excess cleaner. No need to rinse.
4. Repeat if necessary for heavily soiled areas.
5. Let area dry completely before using.

For routine cleaning of polished travertine and grout with a cleaner:

**STONETECH Stone & Tile Cleaner (Concentrate)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

**STONETECH Stone & Tile Cleaner (Ready-To-Use)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.
5. Refer to data sheet DS211.0 for more information.

For stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

**NEW INSTALLATION PRE-GROUT TREATMENT**

Grouting is often easier when the stone is sealed prior to grouting. Light colored or porous polished travertines are susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the tile is porous. If the travertine darkens after applying water to the stone surface and waiting for 5 minutes, the tile is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. On a polished travertine that does darken with water a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for polished travertine:

**STONETECH Heavy Duty Sealer**

**Pre-Grout Sealer Application**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.
9. Refer to data sheet DS279.0 for more information.

For a brilliant shine on countertops and vanities:

**STONETECH Polish**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine if the desired results will be achieved. Make sure surface is clean, dry and free of waxes and coatings.

1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spread evenly with a clean cloth.
3. Buff until there is no visible liquid and a high shine appears.

Note: STONETECH Polish is not intended for floors as it may create a slipping hazard. It is not a restorative process for worn or damaged marble surfaces. Please refer to data sheet DS216.5 for more information.

For stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for recoating or for specialized surface cleaning circumstances. These cleaning processes should not damage the polished travertine surface, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:
Polished Travertine — MCI 113 continued

### STONETECH® KlenzAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resANDING or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip sealers from the surface.

1. Dilute concentrated STONETECH® KlenzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>Concentrate (dilute)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unsealed surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH KlenzAll using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. If appropriate, reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS-215.0 for more information.

### Removal of efflorescence, mineral deposits, and calcium based staining:

This type of restorative surface cleaning process is typically performed with an acidic cleaning compound. The use of acidic cleaners may damage or affect the surface appearance of polished travertine. Surface refinishing may be required to remove mineral based deposits or stains from a polished travertine surface. Consulting a stone restoration professional is recommended.

### Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

#### STONETECH® Heavy Duty Coating Stripper

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F and 90°F (10°C and 32°C).

1. **SHAKE WELL BEFORE USING.** Do not dilute before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONETECH Heavy Duty Coating Striper over the required area with a paint brush, mop or paint pad. **DO NOT APPLY WITH A SPRAYER.** Immediately remove STONETECH Heavy Duty Coating Striper from unsealed surfaces with a wet cloth to prevent potential damage to these surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy, Granite</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If the coating stripper starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry clothes or wet mop. A wet/dry vacuum can be used for larger area.
8. Rinse surface well with clean water and pick up rinse water with a mop or wet/dry vacuum. Allow to dry. Inspect surface for any remaining residue or coating.
9. More than one application may be required to completely remove residues or coatings. Repeat steps 3 through 8 when necessary.
10. Surface traffic may begin 2 hours after removal of coating. Refer to data sheet DS-225.0 for more information.

### For spot or small area deep cleaning:

#### STONETECH DeepKlenz™ Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a soft bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. If appropriate, reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS-111.2 for more information.

### For cleaning and removing soap scum:

#### STONETECH Soap Scum Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. **ALLOW STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.**
3. Lightly scrub with a soft bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. If appropriate, reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS-111.2 for more information.

### For cleaning and removing mold and mildew:

#### STONETECH® Mold & Mildew Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Clean surface with non-abrasive sponge or soft nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily soiled areas.

Refer to data sheet DS-225.0 for more information.

### For oil stain removal:

#### STONETECH Oil Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a 1/4” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50 mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reseal the cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS-214.0 for more information.

#### Mechanical Refinishing for Polished Travertine

#### STONETECH Honing & Polishing Powders

This refinishing process is designed for scratch, etch and wear pattern removal and will restore the stone’s surface to a uniform finish and shine. Depending on the severity of the wear or damage to the stone use, in succession, one or more of the grit levels (180/280/400/600/800) of the STONETECH Honing Powders bringing the stone up to an even, uniform 800 grit finish. After the honing steps, follow with the STONETECH Polishing Powder to create the final shine.

Refinishing requires using a hand-held low speed sander/polisher or air/rotary sander for countertops, walls or floor edges. For floors use a weighted 175 rpm floor machine (130-140 lbs. [59 – 63.6 kg]). Hand machines and floor machines need to be fitted with a natural hair pad or a white nylon polishing pad.

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Allow new grain installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

For finishing to a polished finish:

1. If surface is heavily soiled, pre-clean with STONETECH KlenzAll Cleaner if needed.
2. Mask off and protect any baseboards or adjacent areas to avoid splashing and swaying onto surfaces not intended to be treated.
3. If you are using a variety of abrasive grits, ensure that the surface is well rinsed and a new pad is used for each changeover.
4. Apply approximately 1/2 cup (118 mL) STONETECH Honing Powder plus 1 cup (237 mL) clean water directly onto the stone surface.
5. Buff finish using a hand-held orbital sander or weighted floor machine at 130-140 lbs. [59-64 kg]. 175 rpm, fitted with a natural hair pad.
6. Keep compound wet while refinishing with plenty of water. Add STONETECH Honing Powder as needed.
7. Use successively higher numbered grits of STONETECH Honing Powder to close the face of the stone and follow with STONETECH Polishing Powder applied as in steps 5-10 above. Repeat as needed to achieve the desired level of shine.
Polished Travertine – MCI 113 continued

8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.

9. Clean equipment with water.

10. Reseal polished area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS 225.5 and DS224.5 for more information.

SEALING AND PROTECTING:
Polished travertine is susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in travertine tile installations will also be more stain resistant with the application of a penetrating sealer.

For natural looking protection for polished travertine and grout installations:

STONETECH® Heavy Duty Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.

2. Mask off surfaces not intended to be treated.

3. Liberally apply an even coat of STONETECH® Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.

4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.

5. Thoroughly wipe dry the entire surface with clean absorbent towels.

6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.

7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.

8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.

9. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.
REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of these travertine surfaces will involve keeping dirt, dust and other soiling from building up. Exterior installations will often require more intensive maintenance and care processes. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade any applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the slate, grout or degrading any applied sealers.

Maintenance Cleaning

Both routine damp mopping and monthly scrub cleanings of these travertine surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations. STONETECH has two maintenance cleaners suitable for unpolished, honed or textured travertine surfaces.

For routine cleaning of unpolished, honed or textured travertine using a cleaner and protector:

STONETECH Revitalizer Cleaner and Protector (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Revitalizer Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Revitalizer Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.
3. Rub surface lightly and remove any excess cleaner. No need to rinse.
4. Repeat as necessary for heavily soiled areas.
5. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

For routine cleaning of tile and grout using a cleaner:

STONETECH Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

Refer to data sheet DS211.0 for more information.

NEW INSTALLATION PRE-GROUT TREATMENT

GROUTING cleanup is often easier when the stone is sealed prior to grouting. Unpolished, honed or textured travertine can be porous and is susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the stone is porous. If the travertine darken after applying water to the stone surface and waiting for 5 minutes, the stone is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for unpolished, honed or textured travertine:

STONETECH Heavy Duty Sealer

Pre-GROUT Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask all surfaces not intended to be treated.
3. Literally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean, absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-45 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.

RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for rescaling or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the unpolished, honed or textured travertine, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH KlenzAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for rescaling or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the unpolished, honed or textured travertine, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH KlenzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KlenzAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>6 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

NOTE: For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.
For spot or small area deep cleaning: 

**STONETECH DeepKlenz™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wash protective eyewear and gloves. Ensure work area is well-ventilated during application and until surface is clean and dry.

1. Thoroughly wet surface by directly spraying onto soiled area. Do not allow product to dry on the surface.
2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do not allow product to dry on the surface.
3. Thoroughly scrub with a stiff brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for stubborn soils.
5. Reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

For cleaning and removing soap scum: 

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wash protective eyewear and gloves. Ensure work area is well-ventilated during application and until surface is clean and dry.

1. Spot STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintentional areas.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

For cleaning and removing mold and mildew: 

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wash protective eyewear and gloves. Ensure work area is well-ventilated during application and until surface is clean and dry.

1. Spot STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintentional areas.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily soiled areas.

For oil stain removal: 

**STONETECH Oil Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine if the results will be achieved. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wash protective eyewear and gloves. Ensure work area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wooden spatula, stir thoroughly to mix the paste.
2. Apply a ¼” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry. Use a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.

STONETECH® Honing Powders

This refreshing process is designed for scratch, etch and wear pattern removal and will restore the stone’s surface to a uniform matte finish. Depending on the severity of the damage to the stone and/or the desired surface appearance, use one or more of the grit levels (180/280/400/600/800) of the STONETECH Honing Powders. Refinishing requires using a hand-held low speed sander/polisher or an orbital sander for countertops, walls or floor edges. For floors use a weighted 175 rpm floor machine at 130 to 140 lbs. (59.1 to 63.6 kg). Hand machines and floor machines need to be fitted with a natural hair pad or a white nylon polishing pad. A tampico brush can be used on machines for textured stone floors & walls.

For refreshing unpolished travertine to a honed finish:

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Apply new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

1. If surface is heavily soiled, pre-clean with STONETECH KleanAll Cleaner if needed.
2. Mask off and protect any baseboards or adjacent areas to avoid splashing and overspray onto surfaces not intended to be treated.
3. If you are using a variety of abrasive grits, ensure that the surface is well rinsed and a new pad is used for each changeover.
4. Apply approximately 1/2 cup (118 ml) STONETECH Honing Powder plus 1 cup (237 ml) clean water directly onto the stone surface. 
5. Refinish using a hand-held sander at 175 rpm, weighted floor machine at 130 to 140 lbs. (59.1 to 63.6 kg) fitted with a natural hair pad.
6. Keep compound wet while refinishing with plenty of water. Add STONETECH Honing Powder as needed.
7. Rebuff area until the desired level of hone has been achieved.
8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.
9. Clean equipment with water.
10. Reseal polished area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

For floors use a weighted 175 rpm floor machine at 130 to 140 lbs. (59.1 to 63.6 kg) fitted with a natural hair pad. 

SEALING AND PROTECTING: All materials are susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in travertine floor installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining: 

**STONETECH Heavy Duty Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.
1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 15–20 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean, absorbent towels.
6. A full cure is achieved after 24–72 hours. Surface traffic may begin 6–8 hours after first coat is applied. If needed sooner, cover the floor with red rosin paper to protect it until full cure is achieved.
7. Clean tools used during application with water.
8. A full cure is achieved in 72–96 hours. Use of the treated surface may resume in 6–8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

For a natural look water repellent on exterior surfaces:

STONETECH® Heavy Duty Exterior Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Fresh concrete requires a minimum of 28 days to cure. Sealer should be applied one hour after start of initial application as directed in steps 2–4.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Heavy Duty Exterior Sealer with a paint pad, paintbrush, roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5–15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean, dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2–4.
6. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time periods have passed.

For a color enhancing topical protector:

STONETECH® High Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F – 80°F (10°C – 26°C). STONETECH® High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SPARE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1/3 even coats of STONETECH® High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low pressure sprayer, or pump spray garden sprayer. Avoid puddling of product during application.
3. Allow 30–45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24–48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

For a color enhancing impregnating sealer for interior. surfaces:

STONETECH® Enhancer Sealer (Water-based)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Fresh concrete requires a minimum of 28 days to cure. Sealer should be applied one hour after start of initial application as directed in steps 2–4.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
3. Allow sealer to penetrate the surface for 15–20 minutes. During this time, distribute excess sealer over entire area to ensure even penetration. Do not allow sealer to pool on the surface. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. For protection against deicing salts, a second coat is recommended and should be applied 15–20 minutes after the initial application as directed in steps 2–4.
6. The sealer should be fully cured prior to water contacting the surface. Full cure is achieved in 72 hours. If there is a possibility of rain within the 72 hour cure time, cover surface so it remains dry.
7. Clean tools used during application with water.
8. If resistance to oily stains is also desired, apply STONETECH® BulletProof® Sealer after STONETECH® Soft Water Resistant Sealer has fully cured.

For a color enhancing impregnating sealer for interior and exterior surfaces:

STONETECH® Enhancer Sealer (Solvent-based)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry, and free of waxes, coatings, and previous sealers, and is dry for 24–72 hours. Surface temperature should be between 50°F – 80°F (10°C – 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Enhancer Sealer using a paint pad, low-pressure chemical resistant sprayer, roller or brush. Avoid applying sealer on untextured surfaces.
3. Allow sealer to penetrate surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a clean dry towel. DO NOT ALLOW EXCESS SEALER TO DRY COMPLETELY ON SURFACE.
5. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 1 hour after start of initial application following directions in steps 1–4.
6. A full cure is achieved after 2–4 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.
8. Allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area.

For a color enhancing impregnating sealer for interior and exterior surfaces:

STONETECH® Enhancer Sealer (Water-based)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry, and free of waxes, coatings, and previous sealers, and is dry for 24–72 hours. Surface temperature should be between 50°F – 80°F (10°C – 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Enhancer Sealer using a paint pad, roller, brush or garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a clean dry towel. DO NOT ALLOW EXCESS SEALER TO DRY COMPLETELY ON SURFACE.
5. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 1 hour after start of initial application following directions in steps 1–4.
6. A full cure is achieved after 2–4 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.
8. Allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area.

For a color enhancing impregnating sealer for interior and exterior surfaces:

STONETECH® Enhancer Sealer (Solvent-based)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry, and free of waxes, coatings, and previous sealers, and is dry for 24–72 hours. Surface temperature should be between 50°F – 80°F (10°C – 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Enhancer Sealer using a paint pad, low-pressure chemical resistant sprayer, roller or brush. Avoid applying sealer on untextured surfaces.
3. Allow sealer to penetrate surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a clean dry towel. DO NOT ALLOW EXCESS SEALER TO DRY COMPLETELY ON SURFACE.
5. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 1 hour after start of initial application following directions in steps 1–4.
6. A full cure is achieved after 2–4 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.
8. Allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area.
FOR ALL RECOMMENDED PRODUCTS: READ THE ENTIRE PRODUCT LABEL BEFORE USING. USE ONLY AS DIRECTED. ALWAYS TEST IN A SMALL INCONSPICUOUS AREA WITH A 24-HOUR CURE TIME TO DETERMINE EASE OF APPLICATION AND DESIRED RESULTS. AVOID SKIN AND EYE CONTACT. ALWAYS WEAR APPROPRIATE SAFETY EQUIPMENT DURING PRODUCT USE.

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of slate surfaces will involve keeping dirt, dust and other soiling from building up. Exterior installations will often require more intensive maintenance and care processes. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light misting is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acid, ammonia based, abrasive cleaners, or bleach may damage some stone, tile, and/or glass surfaces and may degrade any applied sealer, adversely affecting stone repellency. The use of a gentle cleaner specifically formulated for stone, tile and glass maintenance is the best assurance of not harming the slate, grout or degrading any applied sealers.

Maintenance Cleaning

Both routine damp mopping and monthly scrub cleanings of these stone surfaces can be accomplished using sponges, brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for unfinished, honed or textured granite surfaces.

For routine cleaning of natural slate using a cleaner and protector:

STONETECH® Revitalizer® Cleaner and Protector

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Revitalizer® Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer® Cleaner and Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.

3. Rub surface lightly and remove any excess cleaner. No need to rinse.

4. Let area dry completely before using.

STONETECH® Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.

3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.

4. Let area dry completely before using.

STONETECH® Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.

2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Repeat for heavily soiled areas.

5. Let area dry completely before using.

6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.

7. Allow sealer to cure for 24 hours prior to grouting.

8. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.

RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance. The following restorative surface cleaning processes are done in preparation for sealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the stone; however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH® KlenzALL™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for sealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH KlenzALL™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KlenzALL™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low pressure sprayer. Avoid applying cleaner on untreated surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH KlenzALL Cleaner using a clean cloth, wet/dry vacuum or damp mop.

MCI 115
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Recess cleaned area with an appropriate STONETECH® sealer (e.g. STONETECH Heavy Duty Sealer).
   Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

**STONETECH Restore™ Acidic Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This balanced cleaner will etch or damage most marble, limestone and travertine surfaces. Will itch or cause most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Restore™ Acidic Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>1 part</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Remove STONETECH Restore™ Acidic Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water and wipe dry.
6. Thoroughly rinse all metal surfaces with clean water. Clean and rinse equipment with water.
7. Recess cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).
   Refer to data sheet DS216.0 for more information.

**For spot or small area deep cleaning:**

**STONETECH DeepKlenz™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do not allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavily soiled areas.
5. Recess cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).
   Refer to data sheet DS111.2 for more information.

**For cleaning and removing soap scum:**

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.
   Refer to data sheet DS229.0 for more information.
STONETECH® High Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be 50°F – 80°F (10°C – 26°C). STONETECH® High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment.

For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry. Full cure is achieved after 24–72 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until full cure has been achieved. Red rosin paper is not permitted to apply second coat.
4. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area out of reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS218.5 for more information.

For a color enhancing topical protector:

STONETECH® Semi Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be 50°F – 80°F (10°C – 26°C). STONETECH® Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment.

For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours. Full cure is achieved after 24–72 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until full cure has been achieved. Red rosin paper is not permitted to apply second coat.
4. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area out of reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS219.5 for more information.
## SANDSTONE AND FLAGSTONE

**NOTE:** For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

### REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of sandstone or flagstone surfaces will involve keeping dirt, dust and other soiling from building up. Exterior installations will often require more intensive maintenance and care processes. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light dump mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkali, acid, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade any applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the sandstone or flagstone, grant or degrading any applied sealers.

**Maintenance Cleaning**

Both routine dump mopping and monthly scrub cleanings of sandstone or flagstone surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations.

STONETECH has two maintenance cleaners suitable for sandstone or flagstone surfaces.

**For routine cleaning of sandstone and flagstone using a cleaner and protector:**

**STONETECH Revitalizer® Cleaner and Protector (Concentrate)**

Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Revitalizer® Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Revitalizer® Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.

3. Rub surface lightly and remove any excess cleaner. No need to rinse.

4. Allow area dry completely before using.

**For routine cleaning of sandstone, flagstone and grout using a cleaner:**

**STONETECH® Stone & Tile Cleaner (Concentrate)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.

3. Clean entire area with mop, cleaning solution often to assure that soil is not redeposited. Wipe or rinse cleaned area.

4. Let area dry completely before using.

**STONETECH® Stone & Tile Cleaner (Ready-To-Use)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.

2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.

3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.

4. Wipe clean with a dry towel. Refer to data sheet DS211.0 for more information.

### NEW INSTALLATION PRE-GROUT TREATMENT

GROUTING is often easier when the stone is sealed prior to grouting. Sandstone or flagstone can be porous and are susceptible to grout penetrating and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the stone is porous. If the sandstone or flagstone darken after applying water to the stone surface and waiting for 5 minutes, the stone is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

**For a pre-grout sealer for sandstone or flagstone:**

**STONETECH Heavy Duty Sealer**

**Pre-Grout Sealer Application**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.

2. Mask off surfaces not intended to be treated.

3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.

4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with water, adding more as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.

5. Thoroughly wipe dry the entire surface with clean absorbent towels.

6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.

7. Allow sealer to cure for 24 hours prior to grouting.

8. Clean tools used during application with water. Refer to data sheet DS279.0 for more information.

### RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resanding or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the sandstone and flagstone, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

**For cleaning grease, oil, dirt, dry soil, or to prepare for resanding:**

**STONETECH KleenzALT® Air Grout Revitalizer (Concentrate)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

1. Dilute concentrated STONETECH KleenzALT® Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KleenzALT® Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unintended surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH® KleenzALT® Cleaner using a clean cloth, wet/dry vacuum or damp mop.

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5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Reapply cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof™ Sealer).

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

**STONETECH® Restore™ Acidic Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may discolor some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well ventilated during application and until area is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH Restore™ Acidic Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Restore™ Acidic Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>1 part</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Allow STONETECH Restore Acidic Cleaner using a clean cloth, wet/ dry vacuum or damp mop. 
5. Rinse area well with clean water and wipe dry.
6. Thoroughly rinse all metal surfaces with clean water. Clean and remove equipment with water.
7. Reapply cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof Sealer).

Refer to data sheet DS214.0 for more information.

Removal of epoxy or single component great haze, stripping topical coatings, acrylic finishes or heavy waxes:

**STONETECH Heavy Duty Coating Stripper**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Heavy Duty Coating Stripper directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

Refer to data sheet DS229.0 for more information.

For cleaning and removing soap scum:

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a ¼” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50 mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.
5. Rinse with clean, damp cloth.

For oil stain removal:

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

Refer to data sheet DS119.0 for more information.

For cleaning and removing mold and mildew:

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

Refer to data sheet DS213.0 for more information.

**SEALING AND PROTECTING:**

All sandstone or flagstone is susceptible to staining from both oil and water-based materials and sealing will help protect the stone’s appearance. The cement grouts used in sandstones or flagstone tile installations will also be more stain resistant with the application of a penetrating sealer.

**For interior and exterior natural look protection from water- and oil-based staining:**

**STONETECH BulletProof™ Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine area of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 90°F (10°C - 32°C). Ensure that the area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH BulletProof Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
For a natural look water repellent on exterior surfaces:

**STONETECH® Heavy Duty Exterior Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new installation to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Keep children and pets out of the area until surface cure times.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Heavy Duty Exterior Sealer with a paint pad, paintbrush, roller or low-pressure sprayer. Do not use power sprayer. Do not test before using.

See method of application.

3. Allow sealer to penetrate surface for 15-20 minutes. Denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. Do NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.

4. Thoroughly wipe dry the entire surface with a dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon scrubbing pad to loosen excess sealer and follow with a clean, white absorbent towel to remove.
7. Full cure is achieved in 24-72 hours. Surface use may resume in 4-6 hours. Allow to dry in a well-ventilated area out of reach of children and pets. After rags are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS288.0 for more information.

For a color enhancing impregnating sealer for interior surfaces:

**STONETECH Enhancer Sealer (Water-based)**

Read entire label before using. Use only as directed. Test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new installations to cure for at least 72 hours prior to application. Be sure surface is clean, thoroughly dry and free of waxes and coatings. Not recommended for exterior surfaces. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Avoid skin and eye contact. Wear protective eyewear and gloves. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Shake well before using.
2. Apply STONETECH Enhancer Sealer evenly and liberally using a paint pad, low-pressure chemical-resistant sprayer, roller or brush. Avoid applying sealer on unintended surfaces.
3. Allow sealer to penetrate surface for 15-30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a clean dry towel. Do NOT ALLOW EXCESS TO DRY COMPLETELY ON SURFACE.
5. Allow sealer to penetrate surface for 15-30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
6. Following penetration time, completely wipe surface dry with a clean dry towel. Do NOT ALLOW EXCESS TO DRY COMPLETELY ON SURFACE.
7. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Sealer should be applied one hour after start of initial application following directions in steps 1-4.
8. A full cure is achieved after 24-72 hours. Surface traffic may begin in 6-8 hours. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time period has passed.
9. Clean tools used during application with water.

Refer to data sheet DS217.5 for more information.

For a color enhancing impregnating sealer for interior and exterior surfaces:

**STONETECH Pro™ Sealer (Solvent-based)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new installation to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 48-72 hours. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Salt Water Resistant Sealer with a bristle broom, brush or paint roller.
3. Allow sealer to penetrate the surface for 15-20 minutes. During this time, distribute excess sealer over entire area to ensure even penetration. Do not allow sealer to pool on the surface. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe the entire surface with a dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for more absorbent surfaces or if darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2-4.
6. Full cure is achieved after 24-72 hours. Allow surface traffic for 4-8 hours after application. If surface traffic must resume sooner, cover the floor with red rosin paper to protect it until full cure has been achieved. Red rosin paper is not needed to apply second coat.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Do not allow to dry in a well-ventilated area out of reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS218.5 for more information.

**For a color enhancing topical protector:**

**STONETECH High Gloss Finishing Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be 50°F - 80°F (10°C - 26°C). STONETECH® High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH High Gloss Finishing Sealer with a natural bristle paint brush, roller, low pressure sprayer, or pump sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS219.5 for more information.

**STONETECH Semi Gloss Finishing Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be 50°F - 80°F (10°C - 26°C). STONETECH® Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH Semi Gloss Finishing Sealer with a natural bristle paint brush, roller, low pressure sprayer, or pump sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.
NOTE: For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of saltillo, terra cotta or clay brick surfaces will involve keeping dirt, dust and other soiling from building up. Exterior installations will often require more intensive maintenance and care processes. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same; only the scale will change. Highly alkaline, acidic, ammonia based, abrasive cleansers, or bleach may damage some stone, tile and/or grout surfaces and may also degrade any applied sealer, adversely affecting stone appearance. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the saltillo, terra cotta, clay brick, grout or degrading any applied sealers.

Maintenance Cleaning

Both routine damp mopping and monthly scrub cleanings of saltillo, terra cotta or clay brick surfaces can be accomplished using sponges and brushes, sponges and rags, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications of a swing machine fitted with a brush or pad or an auto-scrub will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for saltillo, terra cotta or clay brick surfaces.

For routine cleaning of saltillo, terra cotta or clay brick using a cleaner and protector:

1. Dilute STONETECH® Revitalizer® Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer® Cleaner and Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Fill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.

3. Rub surfactantly and remove any excess cleaner. No need to rinse.

4. Repeat if necessary for heavily soiled areas.

5. Let area dry completely before using.

The following is a restorative surface cleaning process which is done in preparation for rescaling or for specialized surface cleaning circumstances. This process should not damage the surface of the Saltillo, terra cotta or clay brick, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for rescaling:

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow the sealer to penetrate the surfaces for 2-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. Do NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

For routine cleaning of saltillo, terra cotta or clay brick using a cleaner:

1. Dilute STONETECH® Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.

3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.

4. Let area dry completely before using.

The following restorative surface cleaning processes are done in preparation for rescaling or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the Saltillo, terra cotta or clay brick, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

For cleaning grease, oil, dirt, dry soil, or to prepare for rescaling:

1. Dilute STONETECH® Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.

3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.

4. Let area dry completely before using.

For cleaning grease, oil, dirt, dry soil, or to prepare for rescaling:

1. Dilute STONETECH® KlenzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KlenzAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low pressure sprayer. Avoid applying cleaner on untreated surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.

4. Remove STONETECH KlenzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.

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5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Recess cleaned area with an appropriate STONETECH® sealer (e.g. STONETECH BulletProof® Sealer).
Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

**STONETECH® Restore™ Acidic Cleaner**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH Restore™ Acidity Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Restore™ Acidity Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>1 part</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Remove STONETECH Restore Acidic Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water and wipe dry.
6. Thoroughly vacuum all metal surfaces with clean water. Clean and rinse equipment with water.
7. Recess cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof® Sealer).
Refer to data sheet DS216.0 for more information.

Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

**STONETECH® Heavy Duty Coating Stripper**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface is dry. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10°C - 32°C).

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the treated area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy, Grip Rite</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.
8. Rinse surface with clean water.
9. More than one application may be required, repeat steps 3 – 8 when necessary.
10. Surface traffic may begin 2 hours after removal of coating.
Refer to data sheet DS235.0 for more information.

For spot or small area deep cleaning:

**STONETECH DeepKlenz™ Cleaner**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and repeat with clean cloth and warm water. Repeat as needed for heavily soiled areas.
5. Recess cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof® Sealer).
Refer to data sheet DS111.2 for more information.

For cleaning and removing soap scum:

**STONETECH Soap Scum Remover**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.
Refer to data sheet DS229.0 for more information.

For cleaning and removing mold and mildew:

**STONETECH Mold & Mildew Stain Remover**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled areas.
Refer to data sheet DS 219.0 for more information.

For oil stain removal:

**STONETECH Oil Stain Remover.**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a 1/4” (6 mm) thick layer of paste to the stain. Ensure the paste extends at least 1” - 2” (25 – 50mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tool with mineral spirits.
9. Once the surface is dry, recess the cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof® Sealer).
Refer to data sheet DS 214.0 for more information.

**SEALING AND PROTECTING:**
All saltillo, terra cotta or clay bricks are susceptible to staining from both oil and water-based materials and sealing will help protect the stone's appearance. The current coats used in saltillo, terra cotta or clay brick installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining:

**STONETECH BulletProof® Sealer**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply on even coat of STONETECH BulletProof Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 1-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, repeat the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
STONETECH® Heavy Duty Exterior Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Keep children and pets out of the area until use resumes.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Heavy Duty Exterior Sealer with a paint pad, paintbrush, paint roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using.
3. Allow sealer to penetrate surface for 5-15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove.
7. Full cure is achieved in 24-72 hours. Surface may resume in 6-8 hours.
8. Clean up promptly after job is complete. Rags and equipment that are wet with product may be combustible. Clean equipment with mineral spirits and allow equipment and rags to dry in a well-ventilated area out of reach of children and pets. After rags are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS212.5 for more information.

For a color enhancing impregnating sealer for interior and exterior surfaces:

STONETECH Enhancer Pro™ Sealer (Solvent-based)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 24-72 hours. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Enhancer Pro™ Sealer using a paint pad, roller, or pump-up garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using.
3. Allow Sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON SURFACE. Failure to remove excess sealer from surface may result in residue that may need to be mechanically removed.
4. Thoroughly wipe surface with multiple dry cloths to remove all excess sealer.
5. A second coat may be needed for more absorbent surfaces or if darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2-4.
6. Full cure is achieved after 24-72 hours. Avoid surface traffic for 6-8 hours after application. If surface traffic must resume sooner, cover the floor with red resin paper to protect it until full cure has been achieved. Red resin paper is not needed to apply second coat.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area out of reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS218.5 for more information.

For a color enhancing topical protector:

STONETECH High Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be 50°F - 80°F (10°C - 26°C). STONETECH High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low pressure sprayer, or pump-up garden sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS219.5 for more information.

STONETECH Semi Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be 50°F - 80°F (10°C - 26°C). STONETECH Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.
CONCRETE AND CEMENT BRICKS

NOTE: For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

REGULAR MAINTENANCE AND CARE
Routine, daily maintenance of concrete and cement surfaces will involve keeping dirt, dust and other soiling from building up. Exterior installations will often require more intensive maintenance and care processes. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade any applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the concrete, cement bricks, pavers, grout or degrading any applied sealers.

Maintenance Cleaning
Both routine damp mopping and monthly scrub cleanings of sidewalks, terracotta or clay brick surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an autoscrubber will help maintain larger installations. STONETECH® has two maintenance cleaners suitable for concrete and cement surfaces.

For routine cleaning of concrete and cement using a cleaner and protector:
STONETECH® Revitalizer Cleaner and Protector (Concentrate)
Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Revitalizer Cleaner and Protector (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer Cleaner &amp; Protector (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
<tr>
<td>Spray Refill</td>
<td>1 part</td>
<td>1 part</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a damp mop, towel, sponge or low pressure sprayer.
3. Rub surface lightly and remove any excess cleaner. No need to rinse.
4. Repeat if necessary for heavily soiled areas.
5. Let area dry completely before using.

For routine cleaning of concrete and cement brick using a cleaner:
STONETECH® Stone & Tile Cleaner (Concentrate)
Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)
Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint-free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

Refer to data sheet DS211.0 for more information.

NEW INSTALLATION PRE-GROUT TREATMENT
Grouting cleaning is often easier when the stone is sealed prior to grouting. Concrete and cement materials can be porous and are susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the stone is porous. If the concrete or cement material darkens after applying water to its surface and waiting for 5 minutes, then the material is absorbent and applying a sealer prior to grouting may aid in cleaning up after grouting. For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for concrete or cement brick:
STONETECH Heavy Duty Sealer
Pre-Grout Sealer Application
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH® Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treatment surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with water, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent cloths.
6. A secondary coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.

RESTORATIVE DEEP CLEANING
Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the concrete and cement brick, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:
For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:
STONETECH KleenAll® Cleaner (Concentrate)
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH KleenAll® Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KleenAll® Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a soft cloth, clean cloth or low-pressure sprayer. Avoid applying cleaner on unintended surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH KleenAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 - 5 above.
7. Reseal cleaned area with an appropriate STONETECH sealer (e.g. STONETECH® BulletProof™ Sealer). Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:
This type of restorative surface cleaning process is typically performed with an acidic cleaning compound. The use of acidic cleaners will damage or affect the surface appearance of some concrete or cement surfaces. Surface finishing may be required to remove mineral based deposits or stains from concrete or cement surface. Consulting a stone restoration professional is recommended.
Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

**STONETECH® Heavy Duty Coating Stripper**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Allow contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10°C - 32°C).

1. **SHAKE WELL BEFORE USING.** Do not dilute before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONETECH® Heavy Duty Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to these surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 – 2 hours</td>
</tr>
<tr>
<td>Epoxy Grout Haze</td>
<td>1 – 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger area.
8. Rinse surface well with clean water.
9. More than one application may be required, repeat steps 3 through 8 when necessary.
10. Surface traffic may begin 2 hours after removal of coating. Refer to data sheet DS255.0 for more information.

For spot or small area deep cleaning:

**STONETECH DeepKlenz™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soaked area.
2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. Reused cleaned area with an appropriate STONETECH sealer (e.g. STONETECH BulletProof® Sealer). Refer to data sheet DS111.2 for more information.

For cleaning and removing soap scum:

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. **Spray STONETECH Soap Scum Remover directly on soiled areas. Allow applying onto unintended surfaces.**
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily-soiled areas. Refer to data sheet DS229.0 for more information.

For cleaning and removing mold and mildew:

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or solvents.

1. **Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas.** Avoid applying onto unintended surfaces.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled areas. Refer to data sheet DS 219.0 for more information.

For all stain removal:

**STONETECH Oil Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine the desired results will be achieved. Make sure surface is clean, dry and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is dry and clean.

1. **Spray STONETECH Oil Stain Remover directly on soiled areas.** Ensure that the paste extends at least 1” – 2” (25 – 50 mm) beyond the edge of the stain.
2. Do not cover.
3. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.
4. Using a plastic spatula, stir thoroughly to mix the paste.
5. Apply a ¼” (6 mm) thick layer of paste to the stain. Ensure that the paste is free of waxes and coatings. Surface temperature should be between 50°F – 80°F (10°C - 26°C). After rags are dry, dispose of in accordance with local waste disposal regulations.

For interior and exterior natural look protection from water- and oil-based staining:

**STONETECH BulletProof® Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F – 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH BulletProof Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
6. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure has been achieved.
7. Clean tools used during application with water. Refer to data sheet DS382.0 for more information.

For a natural look water repellent on exterior surfaces:

**STONETECH Heavy Duty Exterior Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F – 80°F (10°C - 26°C). Keep children and pets out of the area until surface use resumes.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Heavy Duty Exterior Sealer with a paint pad, paintbrush, paint roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5-15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2-4.
6. If sealer was not completely wiped off and is residue apparent, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove.
7. Full cure is achieved in 24-72 hours. Surface use may resume in 4-6 hours.
8. Clean up promptly after job is complete, since rugs and equipment that are wet with product may be combustible. Clean equipment with mineral spirits and allow equipment and rugs to dry in a well-ventilated area out of reach of children and pets. After rugs are dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS212.5 for more information.
For a salt water resistant protector:

STONETECH® Salt Water Resistant Sealer

Not intended for use on surfaces that have been previously exposed to salt water or deicing salts. Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine effectiveness of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Salt Water Resistant Sealer with a paint pad, brush, or pump-up garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using.
3. Allow Sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe the entire surface with a clean dry cloth to completely remove excess sealer from the surface.
5. For protection against deicing salts, a second coat is recommended and should be applied 15-20 minutes after the initial application as directed in steps 2-4.
6. The sealer should be fully cured prior to water contacting the surface. Full cure is achieved in 72 hours. If there is a possibility of rain within the 72 hour cure time, cover the surface so it remains dry.
7. Clean tools used during application with water.
8. If resistance to oily stains is also desired, apply STONETECH BulletProof® Sealer after STONETECH Salt Water Resistant Sealer has fully cured.

Refer to data sheet DS288.0 for more information.

For a color enhancing impregnating sealer for interior surfaces:

STONETECH® Salt Water Resistant Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine effectiveness of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Salt Water Resistant Sealer using a paint pad, brush, or pump-up garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using.
3. Allow Sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE. Failure to remove excess sealer from surface may result in residue that may need to be mechanically removed.
4. Thoroughly wipe surface with multiple dry cloths to remove all excess sealer.
5. A second coat may be needed for more absorbent surfaces or if darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2-4.
6. Full cure is achieved after 24-72 hours. Avoid surface traffic for 6-8 hours after application.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS218.5 for more information.

For a color enhancing impregnating sealer for interior and exterior surfaces:

STONETECH® Enhancer Sealer (Solvent-based)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine effectiveness of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 2-4 days. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Enhancer Pro™ Sealer using a paint pad, brush, or pump-up garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using.
3. Allow Sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON SURFACE. Failure to remove excess sealer from surface may result in residue that may need to be mechanically removed.
4. Thoroughly wipe surface with multiple dry cloths to remove all excess sealer.
5. A second coat may be needed for more absorbent surfaces or if darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2-4.
6. Full cure is achieved after 24-72 hours. Avoid surface traffic for 6-8 hours after application. If surface traffic must resume sooner, cover the floor with red rain paper to protect it until full cure has been achieved. Red rain paper is not needed to apply second coat.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS218.5 for more information.

For a color enhancing impregnating sealer for interior and exterior surfaces:

STONETECH® Enhancer Sealer (Water-based)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine effectiveness of application and desired results. Allow new grout installations to cure for at least 72 hours prior to application. Be sure surface is clean, thoroughly dry and free of sealers, waxes and coatings. Not recommended for exterior surfaces. Surface temperature should be between 50°F – 80°F (10°C - 26°C). Avoid skin and eye contact. Wear protective eyewear and gloves. Ensure work area is well-ventilated during application and until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Enhancer Pro™ Sealer using a paint pad, brush, or pump-up garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using.
3. Allow Sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON SURFACE. Failure to remove excess sealer from surface may result in residue that may need to be mechanically removed.
4. Thoroughly wipe surface with multiple dry cloths to remove all excess sealer.
5. A second coat may be needed for more absorbent surfaces or if darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2-4.
6. Full cure is achieved after 24-72 hours. Avoid surface traffic for 6-8 hours after application. If surface traffic must resume sooner, cover the floor with red rain paper to protect it until full cure has been achieved. Red rain paper is not needed to apply second coat.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. When dry, dispose of in accordance with local waste disposal regulations.

Refer to data sheet DS218.5 for more information.

For a color enhancing topical protector:

STONETECH® High Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F – 80°F (10°C - 26°C). STONETECH® Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment.

For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slab requires a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.

STONETECH® Semi Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F – 80°F (10°C - 26°C). STONETECH® Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment.

For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slab requires a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.

STONETECH® High Gloss Finishing Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight; surface temperature should be 50°F – 80°F (10°C - 26°C). STONETECH® High Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment.

For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slab requires a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

Refer to data sheet DS220.5 for more information.
### PORCELAIN, CERAMIC & QUARRY TILE WITH CEMENT GROUT

**MCI 104**

#### NOTE:
For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

#### REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of tile surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the tile, grate or degrading any applied sealers.

#### Maintenance Cleaning

Both routine damp mopping and monthly scrub cleanings of tile surfaces can be accomplished with **STONETECH® Stone & Tile Cleaner**. Cleaning can be accomplished using a bucket and mop or a wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush pad or an auto-scrubber will help maintain larger installations.

For routine cleaning of tile and epoxy grunt with a cleaner:

**STONETECH® Stone & Tile Cleaner (Ready-To-Use)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute **STONETECH® Stone & Tile Cleaner (Concentrate)** with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 part</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.

3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.

4. Let area dry completely before using.

**STONETECH Stone & Tile Cleaner (Ready-To-Use)**

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer if needed. DO NOT ALLOW SEALER TO COMpletely DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with clean absorbent towels.
5. A second coat may be needed for porous, absorbent surfaces. If a second coat is called for, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
6. Allow sealer to cure for 24 hours prior to grouting.
7. Clean tools used during application with water.

Refer to data sheet DS215.0 for more information.

#### RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surfaces cleaning circumstances. These cleaning processes should not damage the surface of the polished terrazzo or agglomerates marble, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

**For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:**

**STONETECH KlenzAll™ Cleaner (Concentrate)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated **STONETECH KlenzAll™ Cleaner** with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KlenzAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unfinished surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove **STONETECH KlenzAll Cleaner** using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 - 5 above.
7. Reseal cleaned area with **STONETECH Sealer**, if appropriate.

Refer to data sheet DS215.0 for more information.

#### Removal of efflorescence, mineral deposits, and calcium based staining:

**STONETECH Restore™ Acidic Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area during application and drying.

The following is an etching process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process may damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated **STONETECH Restore™ Acidic Cleaner** with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Restore™ Acidic Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>1 part</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Remove **STONETECH Restore Acidic Cleaner** using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water and wipe dry.
6. Thoroughly wet all metal surfaces with clean water. Clean and rinse equipment with water.
7. Rave cleaned area with STONETECH® Sealer, if appropriate.
   Refer to data sheet DS216.0 for more information.

**Removal of epoxy or single component grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:**

**STONETECH Heavy Duty Coating Stripper**

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine area of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10°C - 32°C).

1. SHAKE WELL BEFORE USING. Do not skive before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dow Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy Grout Hazes</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surfaces wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger area.
8. Rinse surface well with clean water.
9. More than one application may be required, repeat steps 3 through 8 when necessary.
10. Surface traffic may begin 2 hours after removal of coating.
   Refer to data sheet DS235.0 for more information.

**For spot or small area deep cleaning:**

**STONETECH DeepKlenz™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse with water, clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. Rave cleaned area with STONETECH Sealer, if appropriate.
   Refer to data sheet DS111.2 for more information.

**For cleaning and removing soap scum:**

**STONETECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Be sure to keep the cleaned area swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinses area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.
   Refer to data sheet DS229.0 for more information.

**For cleaning and removing mold and mildew:**

**STONETECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces or metals.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily soiled areas.
   Refer to data sheet DS 219.0 for more information.

**For oil stain removal:**

**STONETECH Oil Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a 1/4” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50 mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours to STONETECH Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reapply the cleaned area with STONETECH Sealer, if appropriate.
   Refer to data sheet DS 214.0 for more information.

**SEALING AND PROTECTING:**

Ceramic, quarry and porcelain tiles have traditionally been impervious to liquid stains from both oil and water-based materials and most do not require sealing. However, there are now porcelain, quarry and ceramic tiles that may exhibit porosity and can benefit from sealing. Test the tile for porosity (see the section “New Installation Pre-Grout Treatment” for directions) or consult with the tile manufacturer to determine if sealing is required.

**STONETECH Sealer: (Applies to tile which will accept a sealer)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine area of use and desired results. Allow new great installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.
   Refer to data sheet DS 228.0 for more information. If another STONETECH natural look sealer is used, please follow the instructions stated on the product data sheet or label.
PORTALOGIC® MAINTENANCE & CARE INSTRUCTIONS

PORCELAIN, CERAMIC & QUARRY TILE WITH EPOXY AND SINGLE COMPONENT GROUTS

NOTE: For all products read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Epoxy and Single Component gouts (e.g. SPECTRALOCK® PRO Premium Grout, PLASMA) typically have an extremely low absorption rate, and, as such, will not accept a sealer.

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of tile surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same, only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner formulated for stone, tile and grout maintenance is the best assurance of not harming the tile, grout or degrading any applied sealers.

Maintenance Cleaning

Epoxy and single component gouts are generally impervious to water and oil-based staining. Maintenance cleaning is required for dirt and dry soil removal. Both routine damp mopping and monthly scrub cleanings of tile surfaces can be accomplished with STONETECH® Stone & Tile Cleaner. Cleaning can be accomplished using a bucket and mop or a mop with a dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad on an auto-cleaner will help maintain larger installations.

For routine cleaning of tile and epoxy grout:

STONETECH® Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Stone & Tile Cleaner may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry. If a porous surface is desired, STONETECH Stone & Tile Cleaner may be used instead of water. Clean the area thoroughly with a clean towel.

1. Dilute STONETECH® Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 part</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse clean area.
4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

Refer to data sheet DS211.0 for more information.

NEW INSTALLATION PRE-GROUT TREATMENT

Epoxy grouting is often easier when the tile is sealed prior to grouting. Some ceramic, porcelain, and quarry tile are porous or have a textured surface which would benefit from sealing prior to grouting.

A simple water test can be performed to identify if the tile is porous. If the tile darkens after applying water to the surface and waiting for 5 minutes, the tile is absorbent and applying a sealer prior to grouting may aid in clean-up after grouting. Typically, ceramic, porcelain, or quarry tile that does not darken with water has a low absorption rate, so a single application of sealer is sufficient as a pre-grout treatment. Matte finish or textured porcelain tile may also benefit from the use of a pre-grout treatment.

For a pre-grout of ceramic, porcelain or quarry tile:

STONETECH® Heavy Duty Sealer

Pre-GROUT Sealer Application

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe the dry surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 60-90 minutes from the previous application as directed in steps 3-5.
7. Allow sealer to cure for 24-hours prior to grouting.
8. Clean tools used during application with water.

Refer to data sheet DS279.0 for more information.

RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the tile or grout, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soil or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH KlenzAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH KlenzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KlenzAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>6 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, cloth or low pressure sprayer. Avoid applying cleaner on unsealed surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH KlenzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Reapply cleaned area with STONETECH Sealer, if appropriate.

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

STONETECH® Acids

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marbles, limestones and travertine surfaces. Will etch or corrode metal metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH Restore™ Acidic Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Restore™ Acidic Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>1 part</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>
2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Remove STONETECH® Restore™ Acetic Cleaner using a clean cloth, wet/ dry vacuum or damp mop.
5. Rinse area well with clean water and wipe dry.
6. Thoroughly test all metal surfaces with clean water. Clean and rinse equipment with water.
7. Reseal cleaned area with STONETECH Sealer, if appropriate.
8. Clean up residue and tools with mineral spirits.
9. More than one application may be required, repeat steps 3 through 8 for heavily-soiled areas.
10. Surface traffic may begin 2 hours after removal of coating.

Removal of epoxy or single component grout haze, stripping topical coatings, acrylic finishes or heavy waxes:

**STONE TECH® Heavy Duty Coating Stripper**

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure working area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended temperature range is between 50°F - 80°F (10°C - 26°C).

1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONETECH Heavy Duty Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Strippers from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Dwell Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Polyurethane or acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy Great Haze</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger area.
8. Rinse surface well with clean water.
9. More than one application may be required, repeat steps 3 through 8 when necessary.
10. Surface traffic may begin 2 hours after removal of coating.

Refer to data sheet DS 213.0 for more information.

For spot or small area deep cleaning:

**STONE TECH DeepKlenz™ Cleaner**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Apply STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavily soiled areas.
5. Reseal cleaned area with STONETECH Sealer, if appropriate.

**For cleaning and removing soap scum:**

**STONE TECH Soap Scum Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyeglasses and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

**For cleaning and removing mold and mildew:**

**STONE TECH Mold & Mildew Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyeglasses and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled areas.

**For oil stain removal:**

**STONE TECH Oil Stain Remover**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a 1/4” (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1” - 2” (25 – 50 mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, rescore the cleaned area with STONETECH Sealer, if appropriate.

**For sealing:**

**STONE TECH Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off all surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with agitated water. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet DS 214.0 for more information. If another STONETECH natural look sealer is used, please follow the instructions stated on the product data sheet or label.

SEALING AND PROTECTING:

Ceramic, porcelain and porcelain tiles have traditionally been impervious to liquid stains from both oil and waterbased materials and must not require sealing. However, there are now porcelains, porcelains and ceramic tiles that may exhibit porosity and can benefit from sealing. Test the tile for porosity (see the section “New Installation Pre-Erect Treatment” for directions) or consult with the tile manufacturer to determine if sealing is required.

**STONE TECH Sealer (Applies to tile which will accept a sealer)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off all surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with agitated water. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet DS 282.0 for more information. If another STONETECH natural look sealer is used, please follow the instructions stated on the product data sheet or label.
TERRAZZO TILE – HONED

NOTE: For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

SURFACE PROTECTION, MAINTENANCE AND CARE
Resin matrix terrazzo is an extremely durable building material. Once installed, the exposed terrazzo surface will require only simple maintenance and care to preserve its beauty.

Proper surface care is the key ingredient in maintaining the tile’s appearance. Protective treatment to resist staining coupled with regular surface cleaning is the best defense against any potential surface issue. A regular cleaning routine is necessary to keep a floor looking its best. A good cleaning routine takes into account daily maintenance as well as monthly and semi-annual tile surface services.

MAINTENANCE & CARE
Routine, daily maintenance will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light lamp mopping is advisable.

Monthly cleanings are often a simple scrubbing wash and rinse using a neutral pH cleaning agent or a terrazzo cleaner. This type of cleaning can be accomplished using a bucket and mop while a wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations.

Regular Maintenance Cleaning
Highly alkaline, acidic, ammonium based, and/or abrasive cleaners, or bleach may damage the terrazzo tile and may also degrade the sealer, adversely affecting stain repellency. The use of a pH neutral cleaner specifically formulated for stone & tile is the best assurance of not harming the terrazzo tile and not degrading any applied sealers.

For routine cleaning of honed terrazzo tile:
STONETECH® Stone & Tile Cleaner
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH® Stone & Tile Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
<td>11.3</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
<td>10.7</td>
</tr>
</tbody>
</table>

2. For hand or floor machine cleaning:
   - Apply mixed solution with a mop, sponge or pump type sprayer.
   - Thoroughly wet surface and allow to soak for a few minutes.
   - Agitate/scrub surface with mop, deck brush, or standard 175rpm floor machine fitted with an appropriate scrub pad or brush.
   - Remove cleaning liquid with mop, bucket and wringer or wet/dry vacuum. Scrubbed areas can be allowed to air dry or rinsed thoroughly with fresh water and vacuumed or air dried.

3. Let area dry completely before allowing foot traffic to resume.

Refer to data sheet DS211.0 for more information.

Heavy Duty Maintenance Cleaning
Heavy cleaning is sometimes needed to maintain a tile surface in high traffic areas or after being exposed to materials which may require more aggressive cleaning. A method for this type of cleaning is outlined below. Please note that existing sealers are often degraded or stripped out of the tile when using stronger cleaning chemicals or techniques are employed. Re-sealing is often necessary after this type of cleaning to maintain a stain resistant surface.

For heavy duty cleaning of honed terrazzo tile:
STONETECH KlenzAll™ Cleaner (Concentrate)
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying. The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KlenzAll™ Cleaner</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Duty</td>
<td>2 oz. (59 mL)</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>4 oz. (118 mL)</td>
<td>4 parts</td>
<td>11.0</td>
</tr>
<tr>
<td>Light Duty</td>
<td>2 oz. (59 mL)</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Acid Neutralizer</td>
<td>4 oz. (118 mL)</td>
<td>32 parts</td>
<td>10.5</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or sprayer. Avoid applying cleaner on untreated surfaces.
3. Lightly rub with a scrub brush or floor machine as needed.
4. Remove STONETECH KlenzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water.
6. Reseal cleaned area with a STONETECH sealer. Once the surface is dry, reseal with STONETECH BulletProof® Sealer as needed.

Refer to data sheet DS215.0 for more information.

Surface Protection
Proper tile floor care begins with protection. For this honed terrazzo surface, STONETECH BulletProof Sealer is the preferred protector to provide high quality resistance to water or oil borne stains. Spills picked up in a timely manner will be prevented from absorbing into the tile surface and creating a difficult to remove stain.

STONETECH® BulletProof® Sealer Application
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new great installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F and 80°F (10°C and 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® BulletProof® Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red main paper to protect it until full cure has been achieved.
9. Clean tools used during application with water.

Refer to data sheet DS282.0 for more information.
CANTERA & ADOQUIN

REGULAR MAINTENANCE AND CARE
Routine, daily maintenance of cantera or adoquin surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same, only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the slate, grout or degrading any applied sealers.

Maintenance Cleaning
Both routine damp mopping and monthly scrub cleanings of cantera or adoquin surfaces can be accomplished using sponges and brushes, spray mops, and traditional mop and bucket. A wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations.

For routine cleaning of cantera or adoquin using a cleaner:
STONETECH® Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH® Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner (Concentrate)</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>64 parts</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>32 parts</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.

3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.

4. Let area dry completely before using.

STONETECH Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

Refer to data sheet DS211.0 for more information.

NEW INSTALLATION PRE-GROUT TREATMENT
GROUTING cleans is often easier when the stone is sealed prior to grouting. Cantara or adoquin can be porous and is susceptible to grout staining and may benefit from sealing prior to grouting.

A simple water test can be performed to identify if the stone is porous. If the Cantara or Adoquin darken after applying water to the stone surface and standing for 5 minutes, the stone is absorbent and applying a sealer prior to grouting will prevent the stone from absorbing grout. For most stones that darken when wet a single application of sealer is generally sufficient as a pre-grouting treatment.

For a pre-grout sealer for cantara or adoquin:
STONETECH Heavy Duty Sealer

Pre-Groout Sealer Application
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Make sure surface is clean and free of waxes and coatings. STONETECH Heavy Duty Sealer may be applied to dry surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-45 minutes from the initial application as directed in steps 3-5.
7. Allow sealer to cure for 24 hours prior to grouting.
8. Clean tools used during application with water.

Refer to data sheet DS259.0 for more information.

RESTORATIVE DEEP CLEANING
Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning procedures will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the tile or grout, however, these types of heavy duty cleaning may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following systems:
For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:
STONETECH KlenzAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris.

Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH KleenzAll™ Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH KleenzAll™ Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>11</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
</tbody>
</table>

2. Apply mixture with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unintended surfaces.

3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH KleenzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Rinse cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer).

Refer to data sheet DS215.0 for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

STONETECH Restore™ Acidic Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeve, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH Restore™ Acidic Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH Restore™ Acidic Cleaner (Concentrate)</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>1 part</td>
<td>16 parts</td>
<td>1.4</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 part</td>
<td>4 parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>1 part</td>
<td>1 part</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Coating Type</td>
<td>Application Dwell Time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sealer, wax or varnish</td>
<td>30 – 60 minutes</td>
<td></td>
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<tr>
<td>Polyurethane acrylic</td>
<td>1 to 2 hours</td>
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<tr>
<td>Epoxy Great Hue</td>
<td>1 to 2 hours</td>
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</tbody>
</table>

5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If STONETECH Heavy Duty Coating Stripper starts to dry, and additional product to keep surface wet.

6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.

7. Wipe up residues STONETECH Heavy Duty Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger areas.

8. Rinse surface well with clean water.

9. More than one application may be required, repeat steps 3 through 8 when necessary.

10. Surface traffic may begin 2 hours after removal of coating. Refer to data sheet DS253.0 for more information.

For spot or small area deep cleaning:

STONETECH DeepKlenz™ Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

1. Thoroughly wet surface by directly spraying onto soiled area.

2. Allow STONETECH DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.

3. Lightly scrub with a soft bristle brush to remove the surface contaminants.

4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavily-soiled areas.

5. Re-saturate cleaned area with an appropriate STONETECH sealer (e.g. STONETECH Heavy Duty Sealer) Refer to data sheet DS511.2 for more information.

STONETECH Soap Scum Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Make sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto untreated surfaces.

2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.

3. Rinse area well with clean water.

4. Wipe area dry with clean cloth.

5. Repeat as needed for heavily-soiled areas.

Refer to data sheet DS257.0 for more information.

For cleaning and removing mold and mildew:

STONETECH Mold & Mildew Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine area of use and desired results. Make sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with any household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto untreated surfaces.

2. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.

3. Thoroughly wipe dry the entire surface with clean, absorbent towels.

4. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 5.

5. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.

6. A full cure is achieved in 1-2 hours. Use of the treated surface may resume in 4-6 hours. If use of the surface must resume sooner, cover the treated surface with a red rosin paper to protect it until full cure is achieved.

7. Clean tools used during application with water. Refer to data sheet DS257.0 for more information.

For a natural look water repellent on exterior surfaces:

STONETECH Heavy Duty Exterior Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine area of use and desired results. Allow new great installations to cure for a minimum of 3 to 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after application. Surface temperature should be between 50°F - 90°F (10 °C - 32 °C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure cap is closed and sealed, and shake well before use.

2. Muck off surfaces not intended to be treated.

3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.

4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.

5. Thoroughly dry the entire surface with clean, absorbent towels.

6. A second coat may be required for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 5.

7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.

8. A full cure is achieved in 1-2 hours. Use of the treated surface may resume in 4-6 hours. If use of the surface must resume sooner, cover the treated surface with a red rosin paper to protect it until full cure is achieved.

9. Clean tools used during application with water. Refer to data sheet DS257.0 for more information.

SEALING AND PROTECTING:

All cantera and adoquin is susceptible to staining from both oil and water-based materials and sealing will help protect the stone's appearance. The cement grouts used in cantera or adoquin tile installations will also be more stain resistant with the application of a penetrating sealer.

For interior and exterior natural look protection from water- and oil-based staining:

STONETECH Heavy Duty Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine area of application and desired results. Allow new great installations to cure for a minimum of 3 to 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F – 80°F (10 °C - 26 °C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure cap is closed and sealed, and shake well before use.

2. Wipe off surfaces not intended to be treated.

3. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.

4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.

5. Thoroughly dry the entire surface with clean, absorbent towels.

6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 5.

7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.

8. A full cure is achieved in 1-2 hours. Use of the treated surface may resume in 4-6 hours. If use of the surface must resume sooner, cover the treated surface with a red rosin paper to protect it until full cure is achieved.

9. Clean tools used during application with water. Refer to data sheet DS257.0 for more information.

For a natural look water repellent on exterior surfaces:

STONETECH Heavy Duty Exterior Sealer

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine area of application and desired results. Allow new great installations to cure for a minimum of 3 to 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F - 80°F (10 °C - 26 °C). Keep children and pets out of the area until surface use resumes.

1. Remove any accessories, and discard.

2. Liberally apply an even coat of STONETECH Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.

3. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.

4. Thoroughly dry the entire surface with clean, absorbent towels.

5. A full cure is achieved in 1-2 hours. Use of the treated surface may resume in 4-6 hours. If use of the surface must resume sooner, cover the treated surface with a red rosin paper to protect it until full cure is achieved.

6. Clean tools used during application with water. Refer to data sheet DS257.0 for more information.

For natural stone, double check the manufacturer's instructions for specific care and maintenance instructions.

For a detailed list of materials, refer to the Material Data Sheets available on the Laticrete website: www.laticrete.com
For color enhancing impregnating sealer for interior and exterior surfaces:

**STONETECH Enhancer Pro™ Sealer (Solvent-based)**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for at least 72 hours prior to application. Make sure surface is clean, dry, free of sealers, coatings, and previous sealers, and is dry for 24-72 hours. Surface temperature should be between 50°F – 80°F (10°C – 26°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH Enhancer Pro™ Sealer using a paint pad, roller, brush, or pump-up garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using.
3. Allow Sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON SURFACE. Failure to remove excess sealer from surface may result in residue that may need to be mechanically removed.
4. Thoroughly wipe surface with multiple dry cloths to remove all excess sealer.
5. A second coat may be needed for more absorbent surfaces or if darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2-4.
6. Full cure is achieved after 24-72 hours. Avoid surface traffic for 6-8 hours after application. If surface traffic must resume sooner, cover the floor with red rosin paper to protect it until full cure has been achieved. Red rosin paper is not needed to apply second coat.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and previous sealers, and is dry for 24-72 hours. Surface temperature should be between 50°F – 80°F (10°C – 26°C). STONETECH Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. **SHAKE WELL BEFORE USING.** Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. **SHAKE WELL BEFORE USING.** Do not dilute before applying.
4. If resistance to oily stains is also desired, apply STONETECH BulletProof with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
5. **SHAKE WELL BEFORE USING.** Do not apply to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.
6. Clean tools used during application immediately with water. Refer to data sheet DS2219.5 for more information.

**For a color enhancing topical protector on textured surfaces:**

**STONETECH High Gloss Finishing Sealer**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be between 50°F – 80°F (10°C – 26°C). STONETECH Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

1. **SHAKE WELL BEFORE USING.** Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, or paint pad. Do not apply product with a sprayer. Avoid puddling of product during application.
3. **SHAKE WELL BEFORE USING.** Do not apply to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.
6. Clean tools used during application immediately with water. Refer to data sheet DS2219.5 for more information.
LARGE AREA SEALER APPLICATION METHODS

NOTE: For all recommended products: Read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

SEALER APPLICATION METHODS FOR LARGE INSTALLATIONS

Proper sealer application provides the maximum performance benefit for stone, masonry and grout applications. The standard application method remains essentially the same no matter how large the area being sealed. The main difference would be how the sealer is applied and any excess material removed.

In order to get the best performance from a STONETECH<sup>®</sup> sealer the application directions provided may be adapted to the given project. Typically, penetrating sealers are applied to the substrate’s surface, allowed to dwell, and then any remaining sealer is wiped off, leaving a dry, clean surface. Subsequent applications are performed in an identical manner, usually after a period of time. Then the applied STONETECH sealer is allowed to cure for the stated period of time.

In scaling up applications for larger areas, the standard methods are adapted to the individual project utilizing available equipment and skilled labor.

Typically a crew of 2-4 using standard equipment includes pump sprayers, 17” floor buffers, floor squeegees, cotton string mops, floor polishing pads, and cotton buffer bonnets is ideal for sealing large projects.

The method described below are shown as directed for sealing large areas with STONETECH BulletProof<sup>®</sup> Sealer.

**Application**

Liberally apply an even coat using a paint pad, roller, brush or low-pressure sprayer. A low pressure, pump type sprayer is the main tool to apply penetrating sealers to large, open areas. Rollers, paint pads, or lamb’s wool applicators are used for more confined areas, wainscot, walls and staircases. No matter which method is used to apply the STONETECH BulletProof<sup>®</sup> Sealer, the correct application is a thin, wet film of sealer on the surface of the stone.

**Dwell Time**

Allow sealer to penetrate the surface for 10–15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. **DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.**

In order for the sealer to perform correctly, the sealer must penetrate into the stone. In order for proper saturation the sealer must stay wet on the surface for the suggested dwell time for the product being used.

On a small scale project, the applicator can use a brush or roller to move the sealer over the surface of a floor or countertop. In order to accomplish the same type of action on a large area, the brush or roller can be replaced with a large spray mop or a soft bristle push broom. For large areas, a single head floor machine fitted with a polishing pad will help maintain an even wet film.

On large scale applications, keeping the sealer wet on the surface is crucial. Once a sealer dries it can no longer soak into the stone surface. Dried sealer will form a film that can be difficult to clean quickly. In order to accomplish this effectively, the sealer should be kept moving on the surface and more should be added as needed.

**Removing the Excess Sealer**

Following the final application, thoroughly wipe dry the entire surface with clean absorbent towels.

On a small scale project, the applicator can use a mop to remove excess sealer. On larger scale projects, squeegees can be used to pull excess sealer from a next section and a cotton bonnet can be fitted to a floor machine to finish cleaning the area.

Additional coats of sealer are typically recommended for higher traffic floors. When sealing larger sections care must be taken to not allow too much time to elapse between coats. Adjusting size of each section will allow for proper timing.

**Curing**

A full cure is achieved in 24–72 hours. Use of the treated surface may resume in 6–8 hours. If one of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure has been achieved.

Penetrating sealers require a cure time for the active ingredients to achieve maximum effectiveness. These curing times are typically 24 – 72 hours or longer. It is important that the stone surface not be subject to cleaning, liquid spills or uncovered foot traffic until full cure is achieved.

Read and follow the data sheet and installation instructions prior to using any STONETECH Sealer.
STONETECH® Sealer

PRODUCT DESCRIPTION
Advanced sealer, designed to provide maximum protection on natural stone against the toughest oil and water-based stains.

Uses (Interior and Exterior Use)
• Countertops, Floors, Backsplashes, Walls, Interior and exterior

Advantages
• Maximum protection against most stains
• Advanced penetrating microbond protection
• Preserves natural look of stone
• Water-based formula

Expected Wear
Approximate Coverage
Shelf Life

D15130610 – 5 Gallon (18.9 L), 1 unit per Case
D14924259 – 5 Gallon (18.9 L), 1 unit per Case
D14924225 – Quart 32 oz (946 mL), 6 units per Case
D14924207 – Sample 2 oz (59 mL), 12 units per Case

STONETECH BulletProof® Sealer

VOC Content
<400 g/L (excluding water) for EPA Purposes
<20 g/L (excluding water) for LEED and U.S. State purposes (Low Solids Coating)

Storage and Handling Instructions
Avoid prolonged exposure to vapors. Use in a well-ventilated area. Do not ingest. Avoid contact with eyes and skin. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100°F (38°C). Do not mix with other chemicals. Do not release to natural waterways.

Cautions
Consult SDS for more safety information.
• Ingestion: May cause discomfort if swallowed
• Inhalation: May be irritating to the respiratory system.
• Skin contact: May cause skin irritation
• Eye contact: May cause eye irritation
• Inhalation: May cause respiratory irritation
• Keep out of reach of children.

TECHNICAL DATA
Physical Properties
Form Liquid
Color Pale Amber
Odor Mild
pH 9 – 11
Specific Gravity 1.009

Working Properties
Full Cure 24 – 72 hours
Surface Traffic 6 – 8 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F and 80°F (10°C and 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until full cure has been achieved.

Directions
1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® BulletProof® Sealer using a paint pad, roller, or brushing applications.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure has been achieved.
9. Clean tools used during application with water.

AVAILABILITY AND COST
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

WARRANTY
See 10. FILING SYSTEM: DS 230.13: LATICRETE® Product Warranty STONETECH Countertop Warranty

MAINTENANCE
Highly alkaline, acid, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH® KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KlenzAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® Heavy Duty Sealer

PRODUCT DESCRIPTION
A heavy duty sealer that protects against most stains on a variety of stones, all while preserving the natural look of the stone.

Uses (Interior and Exterior Use)
- Counter tops
- Back splashes
- Walls
- Floors

Advantages
- Heavy duty protection against most stains
- Advanced penetrating microbond protection
- Preserves natural look of stone
- Water-based formula
- Interior and exterior use

Recommended Surfaces
Natural stone and Masonry Surfaces such as:
- Marble
- Granite
- Limestone
- Slate
- Bluestone
- Travertine
- Flagstone
- Saltillo Tile
- Blue stone
- Sandstone

Item Numbers and Packaging
D14924278 – Sample 2 oz (59 mL), 12 units per Case
D14924289 – Pint 16 oz (473 mL), 12 units per Case
D14924296 – Quart 32 oz (946 mL), 6 units per Case
D14924311 – Gallon (3.8 mL), 4 units per Case
D14924320 – 5 Gallon (18.9 L), 1 unit per Case

Products Available for Sale in Canada ONLY:
- D15130521 – Pint 16 oz (473 mL), 12 units per Case
- D15130536 – Quart 32 oz (946 mL), 6 units per Case
- D15130544 – Gallon (3.8 mL), 4 units per Case
- D15130558 – 5 Gallon (18.9 L), 1 unit per Case

STORAGE AND HANDLING INSTRUCTIONS
Avoid prolonged exposure to vapors. Use in a well-ventilated area. Do not ingest. Avoid contact with eyes and skin. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100°F (38°C). Do not mix with other chemicals. Do not release to natural waterways.

CAUTIONS
Consult SDS for more safety information.

- Inhala tion: In high concentrations, vapors may be irritating to the respiratory system.
- Skin contact: May cause skin irritation
- Eye contact: May cause eye irritation
- Ingestion: May cause discomfort if swallowed

KEEP OUT OF REACH OF CHILDREN.

TECHNICAL DATA

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<td>pH</td>
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<td>Specific Gravity</td>
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WORKING PROPERTIES

- Full Cure: 24 – 72 hours

Specifications subject to change without notification. Results shown are typical but reflects test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new gROUT installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and sealers. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F and 80°F (10°C and 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

Directions
1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® Heavy Duty Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure has been achieved.
9. Clean tools used during application with water.

AVAILABILITY AND COST

Availability
For Distributor Information, call:
Toll Free: +1.888.786.6343
Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM: DS 230.13: LATICRETE Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance.

Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long-handled stiff-bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results.

Additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
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Fax: +1.203.393.1948

Technical and Safety Literature
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FILING SYSTEM

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- DS 230.13: LATICRETE® Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KlenzAll Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Sealer

PRODUCT DESCRIPTION
Our basic sealer that provide standard protection against most stains.

Uses (Interior and Exterior Use)
- Countertops
- Floors
- Backsplashes
- Walls

Advantages
- Standard protection against most stains
- Advanced penetrating microbuid protection
- Preserves natural look of stone
- Water-based formula
- Interior and exterior use

Recommended Surfaces
Natural stone such as:
- Polished Marble
- Slate
- Homogeneous Granite
- Polished Travertine
- Polished Limestone

Item Numbers and Packaging
D14924352 – Sample 2 oz (59 mL), 12 units per Case
D14924364 – Quart 32 oz (946 mL), 6 units per Case
D14924379 – Gallon (3.8 L), 4 units per Case

Products Available for Sale in Canada ONLY:
D15130629 – Quart 32 oz (946 mL), 6 units per Case

Approximate Coverage for a single coat application
- Up to 225 ft²/Quart (20.9 m²/946 mL)
- Up to 900 ft²/Gallon (83.6 m³/3.8 L)

Expected Wear
- Up to 5 years on interior surfaces
- Up to 3 years on exterior surfaces

For best results, reapply annually.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
<400 g/L (excluding water) for EPA Purposes
<5 g/L (including water) for LEED and U.S. State purposes (Low Solids Coating)

Storage and Handling Instructions
Avoid prolonged exposure to vapors. Use in a well-ventilated area. Do not ingest. Avoid contact with eyes and skin. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100°F (38°C). Do not mix with other chemicals. Do not release to natural waterways.

CAUTIONS
Consult SDS for more safety information.

Inhalation: In high concentrations, vapors may be irritating to the respiratory system.

Eye contact: May cause eye irritation

Ingestion: May cause discomfort if swallowed

Keep out of reach of children.

TECHNICAL DATA
Physical Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Color</th>
<th>Odor</th>
<th>pH</th>
<th>Specific Gravity</th>
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<td>Pale Amber</td>
<td>Mid</td>
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Working Properties

Full Cure 24 – 72 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new great installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F and 80°F (10°C and 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

Directions
1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad or loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure has been achieved.
9. Clean tools used during application with water.

AVAILABILITY AND COST
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343  Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KlenzAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® Natural Stone Countertop Sealer

PRODUCT DESCRIPTION
A water-based, easy-to-use countertop sealer that offers heavy-duty protection against most water and oil-based stains.

Uses (Interior and Exterior Use)
- Countertops
- Backsplashes
- Shower walls
- Walls

Advantages
- Advanced protection against water and oil-based stains
- Preserves natural look of stone
- Water-based formula
- Interior and exterior use
- Can be applied to damp surfaces
- Also great for vertical applications

Recommended Surfaces
Natural stone such as:
- Marble
- Granite
- Limestone
- Quartzite
- Bluestone

VOC Content
<400 g/L (excluding water) for EPA Purposes
<9.9 g/L (including water) for LEED and U.S. State purposes (Low Solids Coating)

Approximate Coverage
For a single coat application:
- Up to 200 ft²/12 fl oz bottle (709 ml)
- For 3 coats: Up to 66 ft²/12 fl oz bottle (709 ml)

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

Full Cure
24 – 72 hours

Common Stains & Their Treatments
- 1. Topical bleaches:
  - Treatment: Use LATICRETE® KlenzAll™ Cleaner
- 2. Stains:
  - Treatment: Use LATICRETE® Stone & Tile Cleaner

STONETECH® Stone & Tile Cleaner
DS 215.0: STONETECH® Stone & Tile Cleaner
DS 211.0: STONETECH® KlenzAll™ Cleaner

STONETECH® Natural Stone Countertop Sealer
DS 262.0: STONETECH® Stone and Tile Care Guide

Cautions
Consult SDS for more safety information.

- Inhalation: In high concentrations, vapors may be irritating to the respiratory system.
- Skin contact: May cause skin irritation
- Eye contact: May cause eye irritation
- Ingestion: May cause discomfort if swallowed
- Keep out of reach of children.

TECHNICAL DATA

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<td>Pale Amber</td>
<td>Mild</td>
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<td>1.009</td>
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</table>

Working Properties

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F and 80°F (10°C and 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until treated surface is dry.

Directions
1. Shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally spray an even coat of STONETECH® Natural Stone Countertop Sealer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. DO NOT ALLOW SEALER TO COMpletely DRY ON THE SURFACE.
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.

8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red resin paper to protect it until full cure has been achieved.
9. Clean tools used during application with water.

AVAILABILITY AND COST

Availability
For Distributor Information, Call: Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY

See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Clean & Seal is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM

Additional product information is available at www.stonetech.com.
The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KlenzAll™ Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Impregnator Pro® Sealer is a solvent based sealer which preserves the natural look of stone surfaces.

**Uses (Interior and Exterior Use)**
- Countertops
- Floors
- Backsplashes
- Walls

**Advantages**
- Heavy duty protection against most stains
- Preserves natural look of stone
- Solvent-based formula
- Interior and exterior use

**Recommended Surfaces**
Natural stone such as:
- Granite
- Bluestone
- Limestone
- Travertine
- Slate
- Sandstone
- Bluestone
- Travertine
- Slate
- Sandstone

**Item Numbers and Packaging**
- D14924109 – Sample 2 oz (59 mL), 12 units per Case
- D14924114 – Pint 16 oz (473 mL), 12 units per Case
- D14924124 – Quart 32 oz (946 mL), 6 units per Case
- D14924144 – Gallon (3.8 L), 4 units per Case
- D14924151 – 5 Gallon (18.9 L), 1 unit per Case

**Product Not Available for Sale in Canada.**

**Approximate Coverage** depending on porosity of stone:
- Up to 125 ft²/pint (11 m²/473 mL)
- Up to 250 ft²/quart (23.2 m²/946 mL)
- Up to 1000 ft²/gallon (93 m²/3.8 L)
- Up to 5000 ft²/5 gallon (464.5 m²/18.9 L)

**Expected Wear:**
- Up to 5 years on interior surfaces
- Up to 3 years on exterior surfaces

**Shelf Life:**
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

**VOC Content:**
748 g/L

**Storage and Handling Instructions**
- COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. Do not ingest.
- HARMFUL VAPORS. Avoid prolonged exposure to vapors. Use only in a well-ventilated area. For spray application, use a pump-up garden sprayer. DO NOT USE A POWER SPRAYER. Use a respirator if unsure that work area is well-ventilated. A NIOSH-approved respirator with a combination HEPA/organic vapor cartridge is recommended. Follow respirator manufacturer’s instructions for use. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Avoid contact with eyes and skin. Wear solvent-resistant gloves such as nitrile gloves. KEEP OUT OF THE REACH OF CHILDREN. Do not store above 100°F (38°C). Do not mix with other chemicals. Do not release to natural waterways.

**DISPOSAL INFORMATION:**
For disposal guidance for unused product, contact a household hazardous waste program or your local or state government environmental control agency.

**Cautions**
Consult SDS for more safety information.
- Inhalation: Move into fresh air and keep at rest. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
- Skin contact: Flush thoroughly with water for at least 15 minutes. Wash skin with soap and water. Get medical attention if irritation develops and persists.
- Eye contact: Flush thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately. May cause eye irritation.
- Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Get medical attention if symptoms occur.

**TECHNICAL DATA**

**Form**
- Liquid

**Color**
- Colorless

**Odor**
- Mild

**Specific Gravity**
- 0.761

**Flash Point**
- 108°F (42°C)

**Working Properties**
- Full Cure: 24 – 72 hours
- Surface Use: 6 – 8 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

**INSTALLATION**

**Surface Preparation**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to applying sealer. Make sure surface is clean, dry and free of waxes and coatings. Surface temperature should be between 50°F and 80°F (10°C and 27°C). Keep children and pets out of the area until surface use resumes or treated surface is dry.

**Directions**
1. Ensure area is well-ventilated during application and until the surface is dry. Use a respirator if unsure that area is well-ventilated. A NIOSH-approved respirator with a combination HEPA/organic vapor cartridge is recommended. Follow respirator manufacturer’s instructions for use.
2. Mask any surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH® Impregnator Pro® Sealer using a paint pad, roller, brush or pump-up garden sprayer. DO NOT USE A POWER SPRAYER. See method of application for more information. Do not thin before using.
4. Allow sealer to penetrate surface for 15–30 minutes; denser stone may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS STONETECH Impregnator Pro TO Dry ON SURFACE.
5. Thoroughly wipe entire surface with dry cloth to remove excess STONETECH Impregnator Pro Sealer from surface.
6. A second coat may be needed for more porous surfaces and should be applied one hour after initial application, as directed in steps 3 through 5.
7. If excess sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon scrubbing pad to loosen residue and follow with white absorbent towel to remove.
8. Full cure is achieved after 24–72 hours. Surface use may begin in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with white rosin paper to protect it until full cure is achieved.
9. Rags and equipment that are wet with product may be combustible. Clean up promptly after job is complete. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area out of the reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

**METHOD OF APPLICATION:**
DO NOT USE A POWER SPRAYER. Power sprayers increase exposure hazard. Power sprayers also create a significant amount of overspray resulting in wasted product and the need for additional cleanup. A pump-up garden sprayer will reduce the potential for overspraying to vapors and produce better results. For small jobs, use a point pad, roller or brush. Trigger sprayer bottles are not recommended. Trigger sprayers create overspray and may not give a uniform application. Better results will be obtained using a pad, roller or brush. For larger jobs, use a pump-up garden sprayer available at your local garden center, hardware store, or home improvement center.

LATICRETE® International, Inc., One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.888.786.6343 • +1.203.393.0010 • www.laticrete.com
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Maintenance & Care Instructions and Product Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com
Cleaning
Rags and equipment that are wet with product may be combustible. Clean up promptly after job is complete. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area out of the reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

AVAILABILITY AND COST
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com
Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS 230.13: LATICRETE Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2 Telephone: +1.203.393.0010, ext. 235 Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com.
The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KlenzAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® Heavy Duty Exterior Sealer

PRODUCT DESCRIPTION
STONETECH® Heavy Duty Exterior Sealer is a solvent based, natural look sealer which offers heavy duty protection, water repellency and weather resistance to natural stone and masonry surfaces.

Uses (Exterior)
- Countertops
- Backsplashes
- Floors
- Patios

Advantages
- Heavy duty protection against water-based stains
- Minimizes efflorescence
- Solvent-based formula
- Exterior use

Recommended Surfaces
Natural stone and masonry surfaces such as:
- Granite
- Slate
- Travertine
- Sandstone
- Tumbled stone
- Concrete

Item Numbers and Packaging
D12446717 – Sample 2 oz (59ml), 12 units per Case
D12612276 – 5 Gallon (18.9 L), 1 unit per Case
D12612261 – Gallon (3.8 L), 4 units per Case
D15233316 – Quart 32 oz (946 ml), 6 units per Case

Products Available for Sale in Canada Only:
D125235215 – Quart 32 oz (946 ml), 6 units per Case

Approximate Coverage depending on porosity of stone
- Up to 500 ft²/ quart (46.5 m²/ 946 ml)
- Up to 2,000 ft²/ gallon (185.8 m²/ 3.8 L)
- Up to 10,000 ft²/ gallon (929 m²/ 18.9 L)

Expected Wear
- Up to 10 years on exterior surfaces

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
724 g/L

Storage and Handling Instructions
COMBUSTIBLE. HARMFUL OR DEADLY IF SWALLOWED. Do not ingest. HARMFUL VAPORS. Avoid prolonged exposure to vapors. Use only in a well-ventilated area. For spray application, use a pump-up garden sprayer. DO NOT USE A POWER SPRAYER. Use a respirator if stored that area is well-ventilated. A NIOSH-approved respirator with a combination HEPA/organic vapor cartridge is recommended. Follow respirator manufacturer’s instructions for use. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Avoid contact with eyes and skin. Wear solvent-resistant gloves such as nitrile gloves.

Disposal Information:
For disposal guidance for unused product, contact a household hazardous waste program or your local or state government environmental control agency.

Cautions
Consult SDS for more safety information.

Eye contact:
- flush thoroughly with water for at least 15 minutes. Wash skin with soap and water.
- Get medical attention if irritation develops and persists.

Skin contact:
- flush thoroughly with water for at least 15 minutes. Wash skin with soap and water.
- Get medical attention if irritation develops and persists.

Ingestion:
- immediately rinse mouth and drink plenty of water.
- Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Get medical attention if symptoms occur.

Technical Data

<table>
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<tr>
<th>Physical Properties</th>
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<th>Specific Gravity</th>
<th>Flash Point</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Liquid</td>
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<td>0.763</td>
<td>108°F (42.2°C)</td>
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</table>

Working Properties

| Full Cure | 24 – 72 hours
| Surface Use | 4 – 6 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, thoroughly dry and free of waxes and coatings. Surface temperature should be between 50°F and 80°F (10°C and 26°C). Keep children and pets out of the area until surface care resumes.

DIRECTIONS
1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Heavy Duty Exterior Sealer with a paint pad, paintbrush, paint roller or solvent-resistant, low-pressure sprayer. Do not use power sprayer. Do not thin before using. See method of application.
3. Allow sealer to penetrate the surface for 5–15 minutes; denser material may require more time for sealer to penetrate. During this time, distribute excess sealer over entire area to ensure even penetration. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe dry the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. A second coat may be needed for porous, absorbent surfaces and should be applied one hour after initial application as directed in steps 2–4.
6. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and follow with a clean, white absorbent towel to remove.
7. Full cure is achieved in 24–72 hours. Surface use may resume in 4–6 hours.
8. Clean up promptly after job is complete, since rags and equipment that are wet with product may be combustible. Clean equipment with mineral spirits and allow equipment and rags to dry in a well-ventilated area out of reach of children and pets. After rags are dry, dispose of in accordance with local waste disposal regulations.

METHOD OF APPLICATION:
DO NOT USE A POWER SPRAYER. Power sprayers increase exposure hazard. Power sprayers also create a significant amount of overspray resulting in wasted product and the need for additional cleanup. A pump-up garden sprayer will reduce the potential for over-exposure to vapors and produce better results.

STONETECH® PRODUCT DATA SHEETS
STONETECH® Heavy Duty Exterior Sealer – DS 212.5-0516 continued

AVAILABILITY AND COST

Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For online distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY

See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance.

Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long-handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM

Additional product information is available at www.stonetech.com.
The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KlenzAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® Salt Water Resistant Sealer

PRODUCT DESCRIPTION
The penetrating sealer formulated to protect exterior surfaces exposed to decaying salts from salt degradation.

Uses (Exterior)
- Salt water pools
- Walls
- Floors
- Walkways

Advantages
- High performance protection against salt water damage and decaying salts
- Weather and UV-resistant
- Water-based formula
- Exterior use

Recommended Surfaces
Best suited for porous substrates. Treatment around salt water pools:
- Natural stone
- Terracotta
- Porous tile
- Grout
- Concrete pavers
- Pavers
- Flagstone

Protection against decaying salts:
- Poured concrete
- Aggregate
- Flagstone

Not intended for use on surfaces that have previously been exposed to salt water and/or de-icing salts.

Item Numbers and Packaging
D14226680 – 5 Gallon (18.9 L), 1 unit per Case
D14226675 – Gallon (3.8 L), 4 units per Case
D14226680 – 5 Gallon (18.9 L), 1 unit per Case
Product not available for sale in Canada.

Approximate Coverage depending on porosity of stone
- Up to 475 ft²/gallon (44 m²/L)
- Up to 2375 ft²/gallon (220.6 m²/L)

Expected Wear
- Up to 5 years on exterior surfaces around salt water pools
- 1 year for protection against decaying salt

Shell Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).  

VOC Content
<400 g/L (excluding water) for EPA Purposes
<70 g/L (including water) for U.S. State purposes (Low Solids Coating)

Storage and Handling Instructions
MADE HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Avoid prolonged exposure to vapors. Use in a well ventilated area. Do not ingest. Avoid contact with eyes and skin. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100 °F (38 °C). Do not mix with other chemicals.

Cautions
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Skin contact: Wash off with soap and water. Get medical attention if symptoms occur.
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
- Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.
- Keep out of reach of children.
- Use on poured concrete may cause slight darkening or enhancement of the surface.

TECHNICAL DATA
Physical Properties

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Working Properties
Full Cure 72 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings. Surface temperature should be between 35°F - 90°F (2°C – 32°C). Keep children and pets out of the area until surface uses.

Directions
1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Salt Water Resistant Sealer with a brush/paint brush or roller paint.
3. Allow sealer to penetrate the surface for 15–20 minutes. During this time, distribute excess sealer over entire area to ensure even penetration. Do not allow sealer to pool on the surface. DO NOT ALLOW EXCESS SEALER TO DRY ON THE SURFACE.
4. Thoroughly wipe the entire surface with a clean dry cloth to completely remove all excess sealer from the surface.
5. For protection against decaying salts, a second coat is recommended and should be applied 15-20 minutes after the initial application as directed in steps 2-4.
6. The sealer should be fully cured prior to water contacting the surface. Full cure is achieved in 72 hours. If there is a possibility of rain within the 72 hour cure time, cover surface so it remains dry.

7. Clean tools used during application with water.
8. If resistance to oily stains is also desired, apply STONETECH BulletProof® Sealer after Salt Water Resistant Sealer has fully cured.

Cleaning
Clean up promptly after job is complete, since rags and equipment that are wet with product may be combustible. Clean equipment with mineral spirits and allow equipment and rags to dry in a well-ventilated area out of reach of children and pets. After rags are dry, dispose of in accordance with local waste disposal regulations.

METHOD OF APPLICATION:
DO NOT USE A POWER SPRAYER. Power sprayers increase exposure hazard. Power sprayers also create a significant amount of overspray resulting in wasted product and the need for additional cleanup. A pump-up garden sprayer will reduce the potential for over-exposure to vapors and produce better results.

AVAILABILITY AND COST
Availability
For Distributor Information, Call: Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com
Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleanAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty
- DS 282.0: STONETECH BulletProoF Sealer
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KleanAll Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Advanced Grout Sealer

**PRODUCT DESCRIPTION**
STONETECH® Advanced Grout Sealer is a quick and easy to use grout sealer which helps keep cement based grout looking new.

**Uses (Interior and Exterior)**
- Countertops
- Floors
- Backspalshes
- Walls

**Advantages**
- Maximum protection against most stains
- Apply as early as 2 hours after grouting
- Continuous flow spray allows for wall-to-floor application
- Interior and exterior use

**Recommended Surfaces**
Cement-based grout for natural stone, ceramic and porcelain tile.

**Item Numbers and Packaging**
D14924057 – 13.5 oz Aerosol Can (399 ml), 12 units per Case
Product Not Available for Sale in Canada.

**Approach Coverage**
- Up to 500 linear ft/13.5 oz (152 linear m/383 g) Can

**Expected Wear**
- Up to 5 years on interior surfaces
- Up to 3 years on exterior surfaces

**Shelf Life**
Factory sealed containers of this product are guaranteed to be at first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

**VOC Content**
PWAIR <1.50 g O3/g product (Clear coatings)

**Storage and Handling Instructions**
DANGEROUS EXTREMELY FLAMMABLE. Contains naphtha (petroleum), hydrotreated heavy (64742-48-9) and propane (74-98-6) and butane (106-97-8) as propellants. Do not use near sources of ignition, heat, flame, spark, or live electrical equipment, or while smoking. Vapors can travel to distant ignition sources. VAPOR HARMFUL. Do not breathe vapors or spray mist. USE ONLY IN A WELL-VENTILATED AREA. If unsure whether area is well-ventilated, use NIOSH-approved respirator with a combination HEPA/organic vapor cartridge. Prevent buildup of vapors by opening windows and doors and by using exhaust fans. Intentional misuse by deliberately inhaling contents of this container may be HARMFUL OR FATAL. HARMFUL OR FATAL IF SWALLOWED. Do not ingest. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Avoid eye and skin contact.

For safe application, wear protective eyewear, gloves, long sleeves, and long pants. CONTENTS UNDER PRESSURE. Do not puncture, incinerate, or store above 120 °F (49 °C). Exposure to heat or prolonged exposure to sunlight may cause bursting. Do not discard can in trash compactor or burn. Do not mix product with other chemicals. Rags, clothing, and other equipment wet with product may be combustible. Clean up promptly after job is complete. Remove any clothing that comes in contact with product. Allow rags and clothing to dry in well ventilated area away from children and pets. When dry, dispose of rags. Wash affected clothing before re-wearing. KEEP OUT OF THE REACH OF CHILDREN. For professional or frequent use, a NIOSH-approved respirator with a HEPA/organic vapor cartridge is recommended. Consult product NIOS.

**TECHNICAL DATA**

**Physical Properties**

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<td>Odor</td>
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</table>

**Working Properties**

| Full Cure | 24 – 48 hours |

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

**INSTALLATION**

**Surface Preparation**
Read entire label before using. Use only as directed. Ensure area is well-ventilated during application and until surface is dry. Open windows and doors and use exhaust fans. Always test in a small inconspicuous area to determine appropriate application method and desired results. Avoid spraying surfaces not intended for treatment. For new installations, product can be applied as soon as 2 hours after grouting. For best results, wait 4 hours or more. Grout should be firm to the touch before application. For cured installations, grout must be clean, dry, and free of sealers and coatings. Keep children and pets out of the area until surface use resumes.

**MAINTENANCE**
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleenAll Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

**TECHNICAL SERVICES**

**Technical Assistance**
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Portable: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

**Technical and Safety Literature**
To acquire technical and safety literature, please visit www.stonetech.com.

**FILING SYSTEM**
Additional product information is available at www.stonetech.com. The following is a list of related documents:

- **DS 230.13:** LATICRETE Product Warranty
- **DS 211.0:** STONETECH Stone & Tile Cleaner
- **DS 215.0:** STONETECH KleenAll Cleaner
- **TDS 262:** Stone and Tile Care Guide
STONETECH® Heavy Duty Grout Sealer

PRODUCT DESCRIPTION

STONETECH® Heavy Duty Grout Sealer is designed for cement based grout and protects against oil and water-based stains.

Uses (Interior and Exterior)
- Countertops
- Floors
- Backsplashes
- Walls

Advantages
- Heavy duty protection against most stains
- Protects against grout and makes cleaning easier
- Water-based formula
- Interior and exterior use

Recommended Surfaces
Cement-based grout for natural stone, ceramic and porcelain tile.

Item Numbers and Packaging
- D14608463 – Sample 2 oz (59 ml), 12 units per Case
- D14443446 – 24 fl oz (710 ml) Spray Bottle, 6 units per Case
- D14608454 – Pint 16 oz (473 ml), 12 units per Case
- D14670191 – Quart 32 oz (946 ml), 6 units per Case
- D14608504 – Gallon (3.8 L), 4 units per Case

Products Available for Sale in Canada Only:
- D15064868 – Pint 16 oz (473 ml), 12 per Case
- D15064858 – 24 fl oz (710 ml) Spray Bottle, 6 units per Case
- D14608458 – 24 fl oz (710 ml) Spray Bottle, 6 units per Case
- D14506468 – Pint 16 oz (473 ml), 12 per Case
- D14506488 – Quart 32 oz (946 ml), 6 units per Case
- D15064895 – Gallon (3.8 L), 4 units per Case

Approximate Coverage depending on porosity of grout
- Up to 125 linear ft/pt (38.1 linear meters/473 ml)
- Up to 200 linear ft/24 oz (61 linear meters/709 ml)
- Up to 250 linear ft/32 oz (76.3 linear meters/946 ml)
- Up to 1,000 linear ft/gallon (305 linear meters/3.8 L)

Expected Wear
- Up to 5 years on interior surfaces
- Up to 3 years on exterior surfaces

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
<400 g/L (excluding water) for EPA Purposes
<5 g/L (including water) for U.S. State purposes (Low Solids Coating)

STORAGE AND HANDLING INSTRUCTIONS

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100 °F (38 °C). Do not mix with other chemicals. Do not release to natural waterways.

Cautions
Consult SDS for more safety information.

• Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
• Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.
• Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.
• Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.
• Always test in a small inconspicuous area to determine suitability over polished marble, travertine or limestone.

TECHNICAL DATA

Physical Properties

Form          Liquid
Color         Cloudy White
Odor          Mild
pH            4

Working Properties

Full Cure      24 – 48 hours
Surface Use   4 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance are typical but reflect test procedures used. Actual field performance may vary depending on porosity of grout treated surface with red rosin paper to protect it until full cure is achieved.

5. If sealer was not completely wiped off and a residue appears, wipe entire surface with a towel dampened with sealer. Use a white nylon pad to loosen residue and wipe surface with a clean, white absorbent towel.
6. A full cure is achieved after 24-48 hours; surface use may begin in 4 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
7. Clean tools used during application with water.

AVAILABILITY AND COST

Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 – Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY

See 10. FILING SYSTEM: DS 230.13: LATICRETE® Product Warranty

MAINTENANCE

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM

Additional product information is available at www.stonetech.com. The following is a list of related documents:

DS 230.13: LATICRETE® Product Warranty
DS 211.0: STONETECH® Stone & Tile Cleaner
DS 215.0: STONETECH® KlenzAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® Stain Protecting Grout Additive

PRODUCT DESCRIPTION
STONETECH® Stain Protecting Grout Additive improves grout to ensure a lasting stain-resistant finish.

Uses (Interior and Exterior)
- Countertops
- Floors
- Backsplashes
- Walls

Advantages
- Grout and seal in one easy step
- Protects grout against stains
- Water-based formula
- Simply replaces water when mixing grout

Recommended Surfaces
For use with cement based grouts which allow for use of latex additives.

STONETECH Stain Protecting Grout Additive instead of water

Item Numbers and Packaging
D14822821 – 27 oz (798 ml), 6 units per Case
D14822823 – 64 oz (1.9 L), 4 units per Case

Storage and Handling Instructions
CAUTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Do not spray. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. Use only in a well-ventilated area. KEEP OUT OF REACH OF CHILDREN.

STONETECH Stain Protecting Grout Additive

VOC Content
<10 g/L in product (Not Regulated)

Physical Properties
- Form: Liquid
- Color: Clear to light yellow
- Odor: None
- pH: 7 – 9

Working Properties
Full Cure: Follow grout manufacturer’s recommended grout dry times.

CAUTIONS
Consult SDS for more safety information.

- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

- Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.

- Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.

- Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

TECHNICAL DATA

ADVANTAGES

- Simply replaces water when mixing grout
- Water-based formula

USES (INTERIOR AND EXTERIOR)

- Grout and seal in one easy step
- Protects grout against stains
- Water-based formula
- Simply replaces water when mixing grout

TECHNICAL DATA

PHYSICAL PROPERTIES

Form: Liquid
Color: Clear to light yellow
Odor: None
pH: 7 – 9

WORKING PROPERTIES

Full Cure: Follow grout manufacturer’s recommended grout dry times.

SPECIFICATIONS
Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

SURFACE PREPARATION
Read entire label before using. Use only as directed. Ensure work area is well-ventilated during mixing and until surface is dry. Keep children and pets out of the area until surface use resumes.

DIRECTIONS
1. Use STONETECH® Stain Protecting Grout Additive instead of water when preparing grout.
2. Prepare grout according to the grout manufacturer’s recommended mixing instructions using a grout trowel or low speed mixer to achieve the appropriate grout consistency.
3. Allow the grout to stand (slake) for 10 minutes, remix before application.
4. Apply grout in accordance to the grout manufacturer’s recommended application instructions.
5. Follow grout manufacturer’s recommendations for time to traffic. Protect grout from water immersion or freezing for 10 days, or per grout manufacturer’s instructions, whichever is longer.

STONETECH® Stain Protecting Grout Additive

AVAILABILITY AND COST

AVAILABILITY
For Distributor Information, Call:
Toll Free: +1.888.786.6343  Ext. 2
Telephone: +1.203.393.0010
For online distributor information, visit www.stonetech.com

COST
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE

HIGHLY ALKALINE, ACIDIC, AMMONIATED, OR ABRASIVE CLEANERS ARE NOT NECESSARY FOR DAILY MAINTENANCE AND MAY ALSO DEGRADE THE STONETECH sealer used. аппллиantly affecting stain resistance. Tile and stone routine cleaning with a neutral ph cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleenAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

TECHNICAL ASSISTANCE
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

TECHNICAL AND SAFETY LITERATURE
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KleenAll Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Grout Release  

**PRODUCT DESCRIPTION**
Pre-apply STONETECH® Grout Release on stone surfaces to easily remove grout residue.

**Uses (Interior and Exterior)**
- Countertops
- Floors
- Backsplashes
- Walls

**Advantages**
- Makes grout installation clean-up easier
- Prevents grout from staining stone
- Water-based formula
- Interior and exterior use

**Recommended Surfaces**
Natural stone, masonry and concrete such as:
- Travertine
- Limestone
- Marble
- Slate
- Marble
- Travertine
- Tumbled Stone

Not recommended for use on ceramic and porcelain tile or dense (low absorbency) stone.

**Item Numbers and Packaging**
D12612458 – Gallon (3.8 L) 4 units per Case

**Approximate Coverage**
- Up to 1,700 ft²/gallon (157 m²/3.8 L)

**Shelf Life**
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

**VOC Content**
- <400 g/L (excluding water) for EPA Purposes
- <10 g/L (excluding water) for U.S. State purposes (Low Solids Coating)

**Storage and Handling Instructions**
**May be Harmful If Swallowed. May Cause Respiratory Irritation.** Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. Use in a well-ventilated area. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100 °F (38 °C). Do not mix with other chemicals.

**Cautions**
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.
- Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.
- Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

**TECHNICAL DATA**

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**Working Properties**
Full Cure 4 hours prior to grouting

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

**INSTALLATION**

**Surface Preparation**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Make sure surface is clean, dry and free of loose debris. Surface temperature should be between 50°F-80°F (10°C – 26°C). Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes.

**Directions**
1. Mask off any surfaces not intended to be treated.
2. Apply an even coat of STONETECH® Grout Release with a paint pad, paintbrush, paint roller or low-pressure sprayer.
3. Allow STONETECH Grout Release to completely penetrate the surface for 5-15 minutes.
4. Wipe up all remaining grout release from the surface. Do not allow excess liquid to pool or dry on surface. Do not over apply.
5. Allow for a minimum of 4 hours cure time prior to grouting.
6. After grouting, remove excess grout. Do not allow grout to completely dry prior to removal.
7. Clean equipment with water.
8. Once grout is fully cured seal installation with an appropriate STONETECH sealer. Follow grout manufacturer’s directions for cure time.

**Technical Services**
- **Technical Assistance**
  Information is available by calling the LATICRETE Technical Service Hotline:
  Toll Free: +1.888.786.6343, ext. 2
  Telephone: +1.203.393.0010, ext. 235
  Fax: +1.203.393.1948
- **Technical and Safety Literature**
  To acquire technical and safety literature, please visit www.stonetech.com.

**Filing System**
Additional product information is available at www.stonetech.com.

The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KleneAll Cleaner
- TDS 262: Stone and Tile Care Guide

**Availability and Cost**
**Availability**
For Distributor Information, Call:
Toll Free: +1.888.786.6343 Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

**Cost**
Contact a LATICRETE Distributor in your area.

**Warranty**
See 10. FILING SYSTEM: DS 230.13: LATICRETE Product Warranty

**Maintenance**
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleneAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.
STONETECH® Revitalizer® Cleaner & Protector

PRODUCT DESCRIPTION
STONETECH® Revitalizer® Cleaner & Protector is an all-in-one formula that cleans everyday messes while reinforcing protection.

Uses (Interior and Exterior Use)
- Countertops
- Floors
- Backsplashes
- Walls

Advantages
- Cleaner and Protector
- Built-in sealer reinforces protection
- Gentle formula, neutral pH
- Makes surfaces easier to clean
- Citrus or Cucumber Scents
- Ready-to-use or Concentrate formulas

Recommended Surfaces
Natural stone such as:
- Marble
- Granite
- Sandstone
- Limestone
- Flagstone
- Travertine

Item Numbers and Packaging
Citrus Ready-to-use
D14608345 – 2 oz (59 ml) Sample, 12 units per Case
D14608351 – 24 fl oz (709 ml) Spray Bottle, 12 units per Case
D14608371 – Gallon (3.8 ml), 4 units per Case

Citractus Concentrate
D14608334 – Gallon (3.8 L), 4 units per Case
D14608320 – 5 Gallon (18.9L), 1 unit Case

Cucumber Ready-to-use
D14608393 – 2 fl oz (709 ml) Spray Bottle, 6 units per Case
D14608414 – Gallon (3.8 L), 4 units per Case

Usage Rates
- One gallon (3.8 L) of concentrate makes up to 5 gallons (18.9 L) of cleaning solution

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
Subject to Consumer Product VOC Regulations
<0.90% (Revitalizer RTU)

Storage and Handling Instructions
MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. Use in a well-ventilated area. KEEP OUT OF THE REACH OF CHILDREN. Do not store above 100 °F (38 °C). Do not mix with other chemicals. Do not release to natural waterways.

Cautions
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Conduct a test area on polished marble to determine suitability and acceptability.
- Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.
- Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.
- Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

TECHNICAL DATA
Physical Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>pH</td>
<td>5.5 – 6.5</td>
</tr>
</tbody>
</table>

INSTALLATION
Surface Preparation for STONETECH® Revitalizer® Cleaner & Protector – Concentrate
Read entire label before using. Use only as directed. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

Directions for Concentrate
1. Dilute concentrated cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Revitalizer® Cleaner &amp; Protector</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Refill</td>
<td>1 Part</td>
<td>1 Part</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 Part</td>
<td>4 Parts</td>
</tr>
</tbody>
</table>

2. Apply diluted solution with a mop, towel, sponge or sprayer.
3. Rub surface lightly and remove any excess cleaner. No need to rinse.
4. Repeat for heavily soiled areas using a nonabrasive scrubbing pad.
5. Wipe clean with a dry towel. Let area dry completely before using.

Directions for Ready-to-Use
1. To refill 24 oz. spray bottle, use a funnel.
2. Spray or pour directly on soiled area.
3. Wipe clean with a dry towel, lint-free cloth or sponge. No need to rinse.
4. Repeat for heavily soiled areas using a nonabrasive scrubbing pad.
5. Wipe clean with a dry towel.

AVAILABILITY AND COST
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM: DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the Sealer, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KlenzAll Cleaner
- TDS 262: Stone and Tile Care Guide

LATICRETE International, Inc., One LATICRETE Park North, Bethany, CT 06524-3423 USA • +1.888.786.6343 • +1.203.393.0010 • www.stonetech.com

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STONETECH® Stone & Tile Cleaner

PRODUCT DESCRIPTION
STONETECH® Stone & Tile Cleaner is a daily cleaner designed to clean every day messes on natural stone and tile.

Uses (Interior and Exterior)
- Countertops
- Backsplashes
- Floors
- Walls

Advantages
- Daily Cleaner
- Gentle formula, neutral pH
- Great for ceramic and porcelain tile as well as natural stone surfaces
- Ready-to-use or Concentrate formulas

Recommended Surfaces
Natural stone, masonry, tile and grout such as:
- Marble
- Granite
- Limestone
- Travertine
- Slate
- Sandstone

Item Numbers and Packaging

Ready-to-use
D12446787 – 24 fl oz (709 ml) Spray Bottle, 12 units per Case
D14436698 – Quant 32 oz (946 ml), 6 units per Case
D12612284 – Gallon (3.8 L), 4 units per Case

Products Available for Sale in Canada Only:
D12446787 – 24 fl oz (709 ml) Spray Bottle, 12 units per Case
D14436698 – Quart 32 oz (946 ml), 6 units per Case

Concentrate
D12446787 – 24 fl oz (709 ml) Spray Bottle, 12 units per Case

Usage Rate
- One quart (946 ml) of concentrate makes up to 16 gallons (60.6 L) of cleaning solution
- One gallon (3.8 L) of concentrate makes up to 64 gallons (242.3 L) of cleaning solution

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and -5°F (-15°C).

VOC Content
Subject to Consumer Product VOC Regulations
1.0% (Stone & Tile Cleaner RTU)
0.0% (Stone & Tile Cleaner Concentrate)

Storage and Handling Instructions
A MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. Use protective eyewear and gloves when handling concentrate. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100 °F (38 °C). Do not mix with other chemicals. Do not release to natural waterways.

Cautions
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.
- Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

TECHNICAL DATA

Physical Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 7</td>
</tr>
</tbody>
</table>

INSTALLATION

Surface Preparation for STONETECH® Stone & Tile Cleaner - Concentrate
Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

Directions for Concentrate
1. Dilute concentrated STONETECH® Stone & Tile Cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Stone &amp; Tile Cleaner</th>
<th>Warm Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>2 oz. (59 mL)</td>
<td>1 Gallon (3.8 L)</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>4 oz. (118 mL)</td>
<td>1 Gallon (3.8 L)</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.

3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.

4. Let area dry completely before using.

Directions for Ready-to-Use
1. Spray directly on soiled area.
2. Wipe clean with a dry towel, lint-free cloth or sponge. No need to rinse.

Availability and Cost
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® stone and tile. Ceramic and porcelain tile are highly resistant to these cleaners, while natural stone may be damaged by them. Always test an inconspicuous area before using the cleaner on large areas.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:

- DS 230.13: LATICRETE® Product Warranty
- DS 211.0: STONETECH® Stone & Tile Cleaner
- DS 215.0: STONETECH® KlenzAll Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® KlenzAll™ Cleaner

PRODUCT DESCRIPTION
STONETECH® KlenzAll™ Cleaner is a heavy duty cleaner made to clean the toughest soils on natural stone and tile. Uses (Interior and Exterior)
- Countertops
- Floors
- Backsplashes
- Walls

Advantages
- Powers through stubborn grease and soils
- Safe on stone, will not etch
- Prepares surface for resealing
- Water-based alkaline formula
- Ready-to-use or concentrate formulas

Recommended Surfaces
Natural stone, masonry, tile and grout surfaces such as:
- Marble
- Granite
- Limestone
- Travertine
- Slate
- Sandstone

Item Numbers and Packaging
Ready-to-use
D12549682 – 24 fl oz (709 ml) Spray Bottle, 12 units per Case
Concentrate
D12446928 – Sample 2 oz (59 ml), 12 units per Case
D14435661 – Quart 32 oz (946 ml), 6 units per Case
D12612328 – Gallon (3.8 L), 4 units per Case
D12612335 – 5 Gallon (18.9 L), 1 unit per Case

Products Available for Sale in Canada Only:
D12612335 – 5 Gallon (18.9 L), 1 unit per Case
D12612328 – Gallon (3.8 L), 4 units per Case
D12446928 – Sample 2 oz (59 ml), 12 units per Case

TECHNICAL DATA
Physical Properties
Form
Liquid
Color
Light yellow
Odor
NA

INSTALLATION
Surface Preparation for STONETECH® KlenzAll™ Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

Directions for Concentrate
1. Dilute concentrated cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® KlenzAll™ Cleaner</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Duty</td>
<td>2 oz. (59 mL)</td>
<td>2 parts</td>
<td>11.3</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>4 oz. (118 mL)</td>
<td>4 parts</td>
<td>11.0</td>
</tr>
<tr>
<td>Light Duty</td>
<td>2 oz. (59 mL)</td>
<td>8 parts</td>
<td>10.7</td>
</tr>
<tr>
<td>Acid Neutralizer</td>
<td>4 oz. (118 mL)</td>
<td>32 parts</td>
<td>10.5</td>
</tr>
</tbody>
</table>

2. Apply mixed solution with a mop, clean cloth or sprayer. Avoid applying cleaner on unintended surfaces.
3. Lightly rub with a scrub brush or floor machine as needed.
4. Remove STONETECH® KlenzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water.
6. Reseal cleaned area with a STONETECH sealer.

AVAILABILITY AND COST
Availability
For Distributor Information, Call: Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For online distributor information, visit www.stonetech.com
Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the sealer, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® DeepKlenz™ Cleaner

PRODUCT DESCRIPTION
STONETECH® DeepKlenz™ Cleaner is formulated to easily power through and remove deep and stubborn grease, dirt, and food stains.

Uses (Interior and Exterior)
- Countertops
- Backsplashes
- Floors
- Walls

Advantages
- Removes deep & stubborn grease and food stains
- Safe on stone
- Professional strength
- Prepares surface for resealing
- Water-based alkaline formula
- Professional strength formulation

Recommended Surfaces
Natural stone, masonry, tile and grout, such as:
- Marble
- Granite
- Limestone
- Quartzite
- Travertine
- Slate
- Sandstone
- Quartz
- Concrete
- Ceramic Tile
- Porcelain Tile
- Stainless Steel Tile

For other artificial stones, refer to artificial stone manufacturer.

Item Numbers and Packaging
D12549683 – 24 oz (709 ml) spray bottle/12 units per case

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
Subject to Consumer Product VOC Regulations

Storage and Handling Instructions
No special handling is required under normal use. Appropriate protective clothing necessary to prevent repeated or prolonged skin contact should be worn. Skin contact should be minimized by wearing impermeable gloves. Resistant boots should be worn where spills or splashing can occur. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing thoroughly before reuse. Safety showers and eye stations should be available to employees. Normal warehouse storage in a closed container is adequate. Storage temperature should be above freezing and below 120°F. Drain equipment and flush with water to clean. CORROSION: Avoid prolonged contact with aluminum. Avoid contact with magnesium.

Cautions
- Consult SDS for more safety information.

TECHNICAL DATA
Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Slightly amber, clear liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Organic ether odor</td>
</tr>
<tr>
<td>pH</td>
<td>10.5</td>
</tr>
</tbody>
</table>

INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Keep children and pets out of the area during application and drying.

Directions
1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH® DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavily soiled areas.
5. Reapply cleaner and work area with a STONETECH sealer.

AVAILABILITY AND COST

Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343  Telephone: +1.203.393.0010
For online distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the sealer, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2 Telephone: +1.203.393.0010, ext. 235 Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com.
The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Restore™ Acidic Cleaner

PRODUCT DESCRIPTION
STONETECH® Restore™ Acidic Cleaner is a heavy duty acidic cleaner that removes the look of tile and grout.

Uses (Interior and Exterior)
- Countertops
- Floors
- Backsplashes
- Walls

Advantages
- Removes hard water deposits, grout haze, efflorescence, and soap scum
- Professional strength
- Acidic water-based formula
- Concentrate formulas

Recommended Surfaces
Tile, grout and natural stone such as:
- Ceramic Tile
- Porcelain Tile
- Slate
- Granite

Do NOT use on colored concrete, dyed granite, and acid-sensitive stones such as marble, limestone, and travertine.

Item Numbers and Packaging
D12614286—Sample 2 oz (59 ml), 12 units per Case
D14446083—Quart 32 oz (946 ml), 6 units per Case
D12447024—Gallon (3.8 L), 4 units per Case
D12447035—5 Gallon (18.9 L), 1 unit per Case

Products Available for Sale in Canada Only:
D14603005—Quart 32 oz (946 ml), 6 units per Case

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
Subject to Consumer Product VOC Regulations
0.0%

Storage and Handling Instructions
CORROSIVE. HARMFUL IF SWALLOWED. MAY CAUSE SEVERE EYE AND SKIN BURNS, AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Use protective eyewear and gloves. Avoid prolonged exposure to vapors or mists. Use in a well-ventilated area. For repeated or professional spray use, a respirator is recommended. Consult SDS. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100 °F (38°C). Do not mix with other chemicals. Do not release to natural waterways.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>pH</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces. Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

Directions
1. Dilute concentrated cleaner with warm water according to the following mixing chart:

<table>
<thead>
<tr>
<th>Use</th>
<th>STONETECH® Restore™ Acidic Cleaner</th>
<th>Warm Water</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Duty</td>
<td>1 Part</td>
<td>1 Part</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>1 Part</td>
<td>4 Parts</td>
<td>1.2</td>
</tr>
<tr>
<td>Light Duty</td>
<td>1 Part</td>
<td>16 Parts</td>
<td>1.4</td>
</tr>
</tbody>
</table>

2. Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
3. Agitate with a scrub brush or floor machine as needed.
4. Remove STONETECH® Restore™ Acidic Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water and wipe dry.
6. Thoroughly rinse all metal surfaces with clean water. Clean and rinse equipment with water.
7. Re-clean cleaned area with a STONETECH sealer (i.e. STONETECH BulletProof™ Sealer)

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 282.0: STONETECH BulletProof Sealer
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KlenzAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® Oil Stain Remover

**PRODUCT DESCRIPTION**
STONETECH® Oil Stain Remover is designed to remove oil-based stains from natural stone, masonry, and cementitious grout such as:

- Marble
- Granite
- Limestone
- Travertine

**Uses (Interior and Exterior)**
- Countertops
- Floors

**Advantages**
- Pulls out deep-set oil stains
- Leaves no permanent residue
- Easy to use
- Will not discolor stone

**Recommended Surfaces**
Natural stone, masonry, and cementitious grout such as:

- Marble
- Granite
- Limestone
- Travertine

**Shelf Life**
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

**VOC Content**
Not Regulated

**INSTALLATION**
**Surface Preparation**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

**Directions**
1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a ¼” (6mm) thick layer of paste to the stain. Ensure that the paste extends at least 1–2” (25-50mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48–72 hours for paste to completely dry.
5. Using a plastic spatula, remove dried product and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reseal the cleaned area with a STONETECH® sealer (e.g. STONETECH BulletProof® Sealer).

**TECHNICAL DATA**
**Physical Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Grey</td>
</tr>
<tr>
<td>Odor</td>
<td>Lemon</td>
</tr>
</tbody>
</table>

**TECHNICAL SERVICES**
**Technical Assistance**
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

**Technical and Safety Literature**
To acquire technical and safety literature, please visit www.stonetech.com.

**FILING SYSTEM**
Additional product information is available at www.stonetech.com.
The following is a list of related documents:
- DS 230.13: LATICRETE® Product Warranty
- DS 282.0: STONETECH Bulletproof
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KlenzAll Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Heavy Duty Coating Stripper

PRODUCT DESCRIPTION
STONETECH® Heavy Duty Coating Stripper is specifically formulated to safely break down coatings and epoxy grout haze.

Uses (Interior and Exterior)
- Countertops
- Backsplashes
- Walls

Advantages
- Removes tough coatings, lacquers, and varnishes
- Low odor and non-flammable water-based formula
- Professional strength

Recommended Surfaces
Natural stone masonry and tile surfaces such as:
- Marble
- Slate
- Ceramic and Porcelain tile

Item Numbers and Packaging
D15062804 – Sample 2 oz (59 ml), 12 units per Case
D15062814 – Quart 32 oz (946 ml), 6 units per Case
D15062823 – Gallon (3.8 L), 4 units per Case

See DS235.5 for Canada product.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures: -50°F to 100°F (-10 °C to 32.2 °C).

VOC Content
Subject to Consumer Product VOC Regulations
6.4% US

Storage and Handling Instructions
CAUTION: MAY BE HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. MAY CAUSE SKIN AND RESPIRATORY IRRITATION. Do not ingest. Avoid prolonged exposure to vapors. Use in a well-ventilated area. Rubber gloves and eye protection should be worn during handling and application to prevent skin and eye contact. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100°F (38 °C). Do not mix with other chemicals. Do not flush unused product to natural waterways or sanitary sewer system. Dispose of in accordance with waste disposal regulations.

Cautions
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Skin contact: Wash off with soap and water. Get medical attention if symptoms occur.
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
- Ingest: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

TECHNICAL DATA

Physical Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
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<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>pH</td>
<td>11.5</td>
</tr>
</tbody>
</table>

INSTALLATION

Surface Preparation
Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is 50°F to 90°F (10 °C to 32.2 °C).

Directions
1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
3. Liberally apply an even coat of STONETECH® Heavy Duty Coating Stripper over the required area with a paint brush, mop or point pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Heavy Duty Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
4. Application time will vary depending on type of coating being removed. Approximate application times are as follows:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Application Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealer, wax &amp; varnish</td>
<td>30 to 60 minutes</td>
</tr>
<tr>
<td>Polyurethane &amp; acrylic</td>
<td>1 to 2 hours</td>
</tr>
<tr>
<td>Epoxy grout haze</td>
<td>1 to 2 hours</td>
</tr>
</tbody>
</table>
5. Do not let STONETECH Heavy Duty Coating Stripper dry on the surface. If it starts to dry, add additional product to keep surface wet.
6. Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch stone. Surface can be wet with water to enable easier removal of coating.
7. Wipe up residual STONETECH Heavy Duty Coating Stripper with clean, dry clothes or wet mop. A wet/dry vacuum can be used for larger area.
8. Rinse surface well with clean water.
9. More than one application may be required, repeat steps 3 through 8 when necessary.
10. Surface traffic may begin 2 hours after removal of coating.

AVAILABILITY AND COST

Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343  Telephone: +1.203.393.0010 For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY

See 10. FILING SYSTEM:
DS 230.13: LATICRETE Product Warranty

MAINTENANCE

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2 Telephone: +1.203.393.0010, ext. 235 Fac: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM

Additional product information is available at www.stonetech.com. The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KlenzAll Cleaner
TDS 262: Stone and Tile Care Guide
**STONETECH® Mold & Mildew Stain Remover**

**PRODUCT DESCRIPTION**

STONETECH® Mold & Mildew Stain Remover is a ready-to-use specialty cleaner that removes unsightly mold and mildew stains from natural stone surfaces.

**Uses (Interior and Exterior)**

- Bathrooms
- Showers
- Counter tops
- Floors
- Walls

**Advantages**

- Cleans away mold and mildew stains
- Specially formulated for natural stone
- Won't degrade stone or grout
- Fresh, clean scent

**Recommended Surfaces**

Natural stone, tile and grout surfaces such as:

- Marble
- Granite
- Limestone
- Travertine

**Item Numbers and Packaging**

D14822797 – 24 oz (709 ml) Spray Bottle, 6 units per Case

Product Not Available for Sale in Canada:

**Shelf Life**

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

**VOC Content**

Subject to Consumer Product VOC Regulations

0.0%

**Storage and Handling Instructions**

**WARNING:** HARMFUL IF SWALLOWED. MAY CAUSE PERMANENT EYE INJURY. MAY CAUSE SEVERE SKIN AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. Use protective eyewear and gloves. KEEP OUT OF REACH OF CHILDREN. Do not freeze or store above 100 °F (38 °C). Do not mix with other household chemicals or metals. To do so may release hazardous gases. Do not release into natural waterways.

**Directions**

2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled area.

**Cautions**

Consult SDS for more safety information.

- **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- **Skin contact:** Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical attention immediately.
- **Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- **Ingestion:** Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs. Get medical attention if any discomfort continues.

**TECHNICAL DATA**

**Physical Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
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</thead>
<tbody>
<tr>
<td>Color</td>
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<tr>
<td>Odor</td>
<td>Slight Chlorine</td>
</tr>
<tr>
<td>pH</td>
<td>12.5</td>
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</tbody>
</table>

**INSTALLATION**

**Surface Preparation**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

**Directions**

2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled area.

**AVAILABILITY AND COST**

**Availability**

For Distributor Information, Call:

Toll Free: +1.888.786.6343  Telephone: +1.203.393.0010

For on-line distributor information, visit www.stonetech.com

**Cost**

Contact a LATICRETE Distributor in your area.

**WARRANTY**

See 10. FILING SYSTEM:

DS 230.13: LATICRETE® Product Warranty

**MAINTENANCE**

Highly alkaline, acidic, ammoniated, and/or abrasive cleaners are not necessary for daily maintenance and may also degrade the sealer, adversely affecting stain resistance. For regular maintenance use STONETECH Revitalizer™ Cleaner and Protector. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

**TECHNICAL SERVICES**

**Technical Assistance**

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

**Technical and Safety Literature**

To acquire technical and safety literature, please visit www.stonetech.com.

**FILING SYSTEM**

Additional product information is available at www.stonetech.com. The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 212.0: STONETECH Revitalizer Cleaner and Protector
- TDS 262: Stone and Tile Care Guide

LATICRETE International, Inc., One LATICRETE Park North, Bethany, CT 06524-3423 USA  • 1.888.786.6343  • +1.203.393.0010  • www.stonetech.com

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Maintenance & Care Instructions and Product Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com

DS-211.4-1016

75
STONEtech® Soap Scum Remover

**PRODUCT DESCRIPTION**

STONEtech® Soap Scum Remover is a ready-to-use specialty cleaner that safely removes soap scum from natural stone surfaces.

**Uses (Interior and Exterior)**
- Bathrooms
- Showers
- Countertops
- Walls

**Advantages**
- Removes stubborn soap scum, hard water stains and dirt without scratching
- Specially designed for use on sealed natural stone, ceramic and glass tile surfaces
- Cleans and shines with ease
- Fresh, clean scent

**Natural stone and tile surfaces such as:**
- Marble
- Granite
- Limestone
- Travertine
- Glass Tile
- Porcelain Tile
- Ceramic Tile
- Slate

**TECHNICAL DATA**

**Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
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<tr>
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<tr>
<td>pH</td>
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</table>

**INSTALLATION**

**Surface Preparation**
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Make sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

**Directions**
1. Spray STONEtech® Soap Scum Remover directly on soiled area. Avoid applying product onto unintended surfaces.
2. Clean surface with clean cloth or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily-soiled area.

**STORAGE AND HANDLING INSTRUCTIONS**

May be harmful if swallowed. May cause eye, skin and respiratory irritation. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. Keep out of the reach of children. Do not freeze or store above 100 °F (38 °C). Do not mix with other chemicals. Do not release into natural waterways.

**CAUTIONS**
Consult SDS for more safety information.

- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Skin contact: Wash off with soap and water. Get medical attention if symptoms occur.
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

**TECHNICAL SERVICES**

**Technical Assistance**
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

**Technical and Safety Literature**
To acquire technical and safety literature, please visit www.stonetech.com.

**FILING SYSTEM**
Additional product information is available at www.stonetech.com. The following is a list of related documents:
- DS 230.13:  LATICRETE® Product Warranty
- DS 212.0:  STONETECH® Revitalizer Cleaner and Protector
- TDS 262:  Stone and Tile Care Guide
- DS-229.0-0516:  STONETECH® Soap Scum Remover

**AVAILABILITY AND COST**

**Availability**
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For online distributor information, visit www.stonetech.com

**Cost**
Contact a LATICRETE Distributor in your area.

**WARRANTY**
See 10. FILING SYSTEM: DS 230.13: LATICRETE® Product Warranty

**MAINTENANCE**
Highly alkaline, acidic, ammoniated, and/or abrasive cleaners are not necessary for daily maintenance and may also degrade the sealer, adversely affecting stain resistance. For regular maintenance use STONETECH Revitalizer® Cleaner and Protector. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.
STONETECH® Stainless Steel Pro Cleaner

**PRODUCT DESCRIPTION**
STONETECH® Stainless Steel Pro Cleaner safely cleans and provides a streak-free finish on stainless steel surfaces.

**Uses (Interior and Exterior)**
- Refrigerators
- Sinks
- Dishwashers
- Ovens/Stoves/Ranges
- Microwaves
- Outdoor Grills

**Advantages**
- Helps resist fingerprints and grease
- Cleans without streaking
- Removes smudges, water spots, and oil residues
- Professional strength

**Recommended Surfaces**
- Stainless steel

Do not use on colored concrete, dyed granite, and acid-sensitive stones such as marble, limestone, and travertine.

**Item Numbers and Packaging**
D14620565 – 24 oz (709 ml) Spray Bottle, 6 units per Case

**Shelf Life**
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

**VOC Content**
Subject to Consumer Product VOC Regulations 0.7%

**INSTRUCTIONS**

- **Storage and Handling Instructions**
  - **MAY CAUSE EYE IRRITATION.** Do not ingest. Avoid contact with eyes. Keep out of the reach of children. Do not freeze or store above 100 °F (38 °C). Do not mix with other chemicals.
  - Consult SDS for more safety information.

- **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **Skin contact:** Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical attention.
- **Eye contact:** Flush thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
- **Ingestion:** Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs. Get medical attention if any discomfort continues.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
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<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>pH</td>
<td>3</td>
</tr>
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**INSTALLATION**

- **Surface Preparation**
  Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results.

- **Directions**
  1. Spray STONETECH® Stainless Steel Pro Cleaner directly onto soiled area.
  2. Using a circular motion, wipe the surface clean with a dry towel or lint-free cloth.
  3. Wipe until surface is dry.
  4. Repeat for heavily-soiled areas.

**AVAILABILITY AND COST**

- **Availability**
  For Distributor Information, Call:
  Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
  For on-line distributor information, visit www.stonetech.com

- **Cost**
  Contact a LATICRETE Distributor in your area.

**WARRANTY**

See 10. FILING SYSTEM: DS 230.13: LATICRETE® Product Warranty

**TECHNICAL SERVICES**

- **Technical Assistance**
  Information is available by calling the LATICRETE Technical Service Hotline:
  Toll Free: +1.888.786.6343, ext. 2
  Telephone: +1.203.393.0010, ext. 235
  Fax: +1.203.393.1948

- **Technical and Safety Literature**
  To acquire technical and safety literature, please visit www.stonetech.com.

**FILING SYSTEM**

Additional product information is available at www.stonetech.com. The following is a list of related documents:

- **DS 230.13:** LATICRETE® Product Warranty

STONETECH® Enhancer Pro™ Sealer

**PRODUCT DESCRIPTION**

STONETECH® Enhancer Pro™ Sealer is a heavy duty sealer that seals and enhances the surface to a deep rich color.

**Uses (Interior and Exterior)**
- Counter tops
- Floors
- Backsplashes
- Walls

**Advantages**
- Deepens color
- Heavy duty protection against most stains
- Weather and UV-resistant
- Interior and exterior use
- Solvent-based formula

**Recommended Surfaces**
- Natural stone such as:
  - Bluestone
  - Flagstone
  - Slate
  - Travertine
  - Tumbled stone
  - Limestone

**VOC Content**

Slight hydrocarbon per pint (5.2 m²/3.8 L)

0.81 ™>82° F (27.7° C)

per 5 gallons (209 m²/946 ml)

Sealer

Liquid

®

Clear

STONETECH

PRODUCT DATA SHEETS

Globally Proven Construction Solutions

STONETECH

®

PRODUCT DATA SHEETS

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Product Data Sheets and Product Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com  DS-211.4-1016

**TECHNICAL DATA**

**Physical Properties**

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<th>Form</th>
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<th>Canada</th>
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</thead>
<tbody>
<tr>
<td>Color</td>
<td>Liquid</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight hydrocarbon</td>
<td>Slight hydrocarbon</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.81</td>
<td>0.79</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;82° F (27.7° C)</td>
<td>&gt;82° F (27.7° C)</td>
</tr>
</tbody>
</table>

**Full Cure**

24 – 72 hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

**INSTALLATION**

**Surface Preparation**

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, free of waxes, coatings, and previous sealers, and is dry for 24-72 hours. Surface temperature should be between 50°F and 80°F (10°C and 27°C). Ensure that the area is well-ventilated during application and until treated surface is dry. Keep children and pets out of the area until treated surface is dry.

**AVAILABILITY AND COST**

For distributor information, call:

Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010

For on-line distributor information, visit www.stonetech.com

**Cost**

Contact a LATICRETE Distributor in your area.

**WARRANTY**

See 10. FILING SYSTEM: DS 230.13: LATICRETE Product Warranty

Directions

1. Mask off any surfaces not intended to be treated.
2. Liberally apply an even coat of STONETECH® Enhancer Pro™ Sealer using a paint pad, roller, brush, or pump-up garden sprayer. Do not use a power sprayer, towel, or sponge for application. Do not thin before using. See Method of Application below for more instructions.
3. Allow Sealer to penetrate surface for 15-20 minutes. Denser material may require more time to penetrate. DO NOT ALLOW EXCESS SEALER TO DRY ON SURFACE. Failure to remove excess sealer from surface may result in residue that may need to be mechanically removed.
4. Thoroughly wipe surface with multiple dry cloths to remove all excess sealer.
5. A second coat may be needed for more absorbent surfaces or if darker appearance is required. Sealer should be applied one hour after start of initial application, as directed in steps 2-4.
6. Full cure is achieved after 24-72 hours. Avoid surface traffic for 6-8 hours after application. If surface traffic must resume sooner, cover the floor with red rosin paper to protect it until full cure has been achieved. Red rosin paper is not needed to apply second coat.
7. Clean up promptly after job is complete. Rags and equipment that are wet with product may be flammable. Clean equipment with mineral spirits and allow to dry in a well-ventilated area. Allow rags to dry in a well-ventilated area out of reach of children and pets. When dry, dispose of in accordance with local waste disposal regulations.

Method of Application

For small jobs, use a paint pad, roller, or brush. For larger jobs, use a pump-up garden sprayer available at your local garden center, hardware store, or home improvement center. Do not use a power sprayer. Power sprayers create a significant amount of overspray, resulting in wasted product and the need for additional cleanup. A pump-up garden sprayer will reduce the potential for over-exposure to vapors and produce better results. Distribute sealer evenly over entire surface. Uneven penetration will result in blotchy appearance.

LATICRETE International, Inc., One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.888.786.6343 • +1.203.393.0010 • www.stonetech.com
**STONETECH® Enhancer Pro™ Sealer — DS 218.5-0516 continued**

**MAINTENANCE**

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH® sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

**TECHNICAL SERVICES**

**Technical Assistance**

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

**Technical and Safety Literature**

To acquire technical and safety literature, please visit www.stonetech.com.

**FILING SYSTEM**

Additional product information is available at www.stonetech.com. The following is a list of related documents:

- DS 230.13: LATICRETE® Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KlenzAll Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Enhancer Sealer

PRODUCT DESCRIPTION
STONETECH® Enhancer Sealer is the standard sealer that seals and enhances the surface to a rich color.

Uses (Interior only)
- Countertops
- Backsplashes
- Floors
- Walls

Advantages
- Deepens color
- Standard protection against most stains
- Interior use
- Easy-to-prepare, water-based formula

Recommended Surfaces
Unpolished natural stone, mosaic, and grout surfaces such as:
- Bluestone
- Slate
- Travertine
- Sandstone
- Limestone
- Concrete

Item Numbers and Packaging
D14636898 – Sample 2 oz (59 ml), 12 units per Case
D14636867 – Quart 32 oz (946 ml), 6 units per Case
D14636889 – Gallon (3.8 L), 4 units per Case
D14636883 – 5 Gallon (18.9 L), 1 unit per Case

(For Canada, see DS 234.5 for STONETECH Enhancer Sealer)

Approximate Coverage depending on porosity of stone
- Up to 63 ft² per quart (5.9 m²/946 ml)
- Up to 250 ft² per gallon (23.2 m²/3.8 L)
- Up to 1,250 ft² per gallon (116.1 m²/18.9 L)

Expected Wear
- Up to 5 years on interior surfaces

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
≤<150 g/L (excluding water) for EPA purposes,
≤<25 g/L (including water) for U.S. state purposes (Low Solids Coating)

Storage and Handling Instructions
WARNING: HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100 °F (38 °C). Do not mix with other chemicals. Do not release to waterways.

Cautions
Consult SDS for more safety information.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.

Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.

Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

TECHNICAL DATA
Physical Properties

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<td>Flash Point</td>
<td>&gt;-230°F (110°C)</td>
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Working Properties
Full Cure: 24 – 72 hours

Specifications subject to change without notice. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for at least 72 hours prior to application. Be sure surface is clean, thoroughly dry and free of sealers, waxes and coatings. Not recommended for exterior surfaces. Surface temperature should be between 50°F – 80°F (10°C – 27°C). Avoid skin and eye contact. Wear protective eyewear and gloves. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

Directions
1. Shake well before using.
2. Apply STONETECH® Enhancer Sealer evenly and liberally using a paint pad, low-pressure chemical-resistant sprayer, roller or brush. Avoid applying sealer on unintended surfaces.
3. Allow sealer to penetrate surface for 15–30 minutes; denser material may require maximum time to penetrate surface. Spread excess sealer over entire area for even penetration.
4. Following penetration time, completely wipe surface dry with a clean dry towel. DO NOT ALLOW EXCESS TO DRY COMPLETELY ON SURFACE.
5. A second coat may be needed for porous, absorbent surfaces or if a darker appearance is required. Apply second coat 1 hour after start of initial application following directions in steps 1–4.
6. A full cure is achieved after 24–72 hours. Surface traffic may begin in 6–8 hours. If needed sooner, cover the floor with red rosin paper to protect it until the recommended time periods have passed.
7. Clean tools used during application with water.

AVAILABILITY AND COST
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See T. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleenAll Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com.
The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KleenAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® High Gloss Finishing Sealer

PRODUCT DESCRIPTION
STONETECH® High Gloss Finishing Sealer protects and transforms the surface to a high shine finish.

Uses (Interior only)
- Backsplashes
- Floors
- Walls

Advantages
- Provides brilliant shine and deepens color
- Protects against water and oil based stains
- Interior use
- Water-based formula
- Available in high-gloss and semigloss finish

Recommended Surfaces
Natural stone and masonry surfaces such as:
- Slate
- Textured Limestone
- Textured Travertine
- Concrete
- Flagstone

Limitations
Not intended for use on glazed, polished, honed, or non-absorbing surfaces, wood floors and decks, showers, countertops and near pool areas.

Item Numbers and Packaging
D15145298 – Sample 2 oz (59 ml), 12 units per Case
D15145307 – Quant 32 oz (946 ml), 6 units per Case, D15145318 – Gallon (3.8 L), 4 units per Case

Approximate Coverage depending on porosity of the surface
- Up to 300 ft² per gallon (27.9 m²/3.8L)
- Up to 75 ft² per quart (7 m²/946 ml)

Expected Wear
- Up to 5 years. Touch up on higher traffic areas may be required on a more frequent basis.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
<100 g/L

Storage and Handling Instructions
CAUTION: MAY CAUSE RESPIRATORY IRRITATION. Do not ingest. Avoid prolonged exposure to vapors. Use in a well-ventilated area. For repeated or professional use, an approved respirator and gloves are recommended. Consult MSDS. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100°F (38°C). Do not mix with other chemicals. Do not release to natural waterways.

Cautions
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.
- Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.
- Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.

TECHNICAL DATA

Physical Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
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<td>Specific Gravity</td>
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Working Properties

| Full Cure | 24 – 48 hours |

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight. Surface temperature should be 50°F–80°F (10°C-26°C). STONETECH High Gloss Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

Directions
1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® High Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low pressure sprayer, or pump-up garden sprayer. Avoid puddling of product during application.

3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

AVAILABILITY AND COST

Availability
For Distributor Information, Call: Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonotech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM: DS 230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleenAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonotech.com.

FILING SYSTEM

Additional product information is available at www.stonotech.com. The following is a list of related documents:

DS 230.13: LATICRETE® Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KleenAll Cleaner
TDS 262: Stone and Tile Care Guide

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Maintenance & Care Instructions and Product Data Sheets are subject to change without notice. For latest revision, check our website at www.stonotech.com
STONETECH® Semi Gloss Finishing Sealer

PRODUCT DESCRIPTION
STONETECH® Semi Gloss Finishing Sealer protects and transforms the surface to a semi-gloss shine finish.

Uses (Interior only)
- Backsplashes
- Floors
- Walls

Advantages
- Provides subtle shine and deepens color
- Protects against water and all based stains
- Interior use
- Water-based formula
- Available in high-gloss and semi-gloss finish

Recommended Surfaces
Natural stone such as:
- Slate
- Sandstone
- Concrete
- Flagstone

Limitations
Not intended for use on glazed, honed, polished, or non-absorbing surfaces (ceramic tile, porcelain tile), wood floors and decks, showers, countertops, or near pool areas.

Item Numbers and Packaging
D14924566 – Sample 2 oz (59 ml), 12 units per Case
D14924574 – Quart 32 oz (946 ml), 6 units per Case
D14924566 – Gallon (3.8 L), 4 units per Case

Approximate Coverage depending on porosity of the surface
- Up to 75 H per quart (7 m²/946 ml)
- Up to 300 ft² per gallon (27.9 m²/3.8 L)

Expected Wear
- Up to 5 years. Touch up on higher traffic areas may be required on a more frequent basis.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
<100 g/L

Storage and Handling Instructions
CAUTION: MAY CAUSE RESPIRATORY IRRITATION. Do not ingest. Avoid prolonged exposure to vapors. Use in a well-ventilated area. For repeated or professional use, an approved respirator and gloves are recommended. Consult MSDS. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100°F (38°C). Do not mix with other chemicals. Do not release to natural waterways.

Cautions
Consult SDS for more safety information.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact: Wash thoroughly with water for at least 15 minutes. Wash skin with soap and water. Get medical attention if irritation develops and persists.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion: Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs. Get medical attention.

TECHNICAL DATA

Physical Properties

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Working Properties

| Full Cure | 24 – 48 hours |

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine appropriate application method, achievement of desired results, and to ensure good adhesion. Surface must be thoroughly clean, dry, and free of any sealers or coatings before application. Application to a dirty or dusty surface will affect adhesion and appearance. Avoid applying in direct sunlight, surface temperature should be 50°F to 80°F (10°C to 26°C). STONETECH Semi Gloss Finishing Sealer should not be applied to a wet or moist surface. Avoid applying onto surfaces not intended for treatment. For new installations with grout, sealer can be applied as soon as 72 hours after grouting. Fresh concrete slabs require a minimum of 28 days to cure before applying the sealer. Keep children and pets out of the area until treated surface is dry.

Directions
1. SHAKE WELL BEFORE USING. Do not dilute before applying.
2. Liberally apply 1-3 even coats of STONETECH® Semi Gloss Finishing Sealer with a natural bristle paint brush, paint roller, low pressure sprayer, or pump-up garden sprayer. Avoid puddling of product during application.
3. Allow 30-45 minutes between coats or until the surface is dry.
4. Surface traffic may begin 12 hours after final application; keep installation dry for a minimum of 12 hours; full cure is achieved in 24-48 hours.
5. Keep surfaces clean and dry as finished surfaces may become slippery when wet.
6. Clean tools used during application immediately with water.

AVAILABILITY AND COST

Availability
For Distributor Information, Call: Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY

See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleenZAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM

Additional product information is available at www.stonetech.com. The following is a list of related documents:
DS 230.13: LATICRETE Product Warranty
DS 211.0: STONETECH Stone & Tile Cleaner
DS 215.0: STONETECH KleenZAll Cleaner
TDS 262: Stone and Tile Care Guide
STONETECH® Polish

PRODUCT DESCRIPTION
STONETECH® Polish provides a quick touch-up shine to polished natural stone.

Uses (Interior and Exterior)
- Countertops
- Backsplashes
- Table tops
- Walls

Advantages
- Adds brilliant shine to polished stone
- No greasy film, will not streak
- Easy to use formula
- Great for kitchen and bathroom countertops

Recommended Surfaces
Polished natural stone such as:
- Marble
- Travertine
- Granite
- Quartzite
- Limestone

NOT FOR USE ON FLOORS. MAY CREATE SLIPPING HAZARD.

Item Numbers and Packaging
D12550888 =Sample 2 oz (59 ml), 12 units per Case
D14579661 = 24 fl oz (709 ml) Spray Bottle, 6 units per Case

Products Available for Sale in Canada Only:
D12550889 = 24 fl oz (709 ml) Spray Bottle, 12 units per Case

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

VOC Content
Not Regulated

Storage and Handling Instructions
CAUTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid prolonged exposure to vapors. KEEP OUT OF THE REACH OF CHILDREN. Do not freeze or store above 100 °F (38 °C).

Form
Liquid

Color
White

Odor
Slight

pH
7 – 8

INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry and free of waxes and coatings.

Directions
1. Spray a light coat of STONETECH Polish over the entire surface.
2. Spread the STONETECH Polish evenly with a clean cloth.
3. Buff until there is no visible polish and a high shine appears.

Cautions
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
- Skin contact: Wash skin with soap and water. Get medical attention if symptoms occur.
- Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.
- Nose: Do not induce vomiting. Get medical attention if any discomfort continues.

TECHNICAL DATA
Physical Properties

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AVAILABILITY AND COST
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM:
DS-230.13: LATICRETE® Product Warranty

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance. The STONETECH stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KleenAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KleenAll Cleaner
- TDS 262: Stone and Tile Care Guide
STONETECH® Polishing Powder

PRODUCT DESCRIPTION
STONETECH® Polishing Powder produces a natural polished finish.

Uses
- Countertops
- Backsplashes
- Floors
- Walls

Advantages
- Creates a smooth, satin finish
- Eliminates etch marks and light wear patterns
- Non-acidic
- Designed for professional use

Recommended Surfaces
Natural stone such as most:
- Marble
- Travertine
- Limestone
- Terrazzo

Item Numbers and Packaging
012447164 – 1 lb 9 oz (708 g) Canister, 6 units per Case

Approximate Coverage depending on porosity of the surface
- Up to 1000 ft² per lb (205 m²/kg)

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

Storage and Handling Instructions
CAUTION: MAY CAUSE MILD EYE AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid inhalation of dust. KEEP OUT OF THE REACH OF CHILDREN.

Cautions
Consult SDS for more safety information.

Intoxication: Remove victim to fresh air. Get medical attention if symptoms persist.

Skin contact: Wash area with soap and water. Get medical attention if irritation develops or persists.

Eye contact: Do not rub eyes. Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.

Ingestion: Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.

TECHNICAL DATA
Physical Properties

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INSTALLATION
Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

Directions
1. If surface is heavily soiled, pre-clean with STONETECH® KlenzAll™ Cleaner if needed.
2. Mask off and protect any baseboards or adjacent areas to avoid splashing and overspray onto surfaces not intended to be treated.
3. If STONETECH Polishing Powder is used following the use of STONETECH Honing Powder, ensure that the surface is well rinsed and a new pad is used.
4. Apply approximately 1/2 cup (113 g) STONETECH Polishing Powder and 1 cup (237 ml) of clean water to stone surface.
5. Refinish using a hand orbital sander or weighted floor machine at 130-140 lbs (59 – 64 kg), 175 rpm, fitted with a natural hair pad.
6. Keep compound wet while refinishing with plenty of water. Add STONETECH Honing Powder, ensure that the surface is well rinsed.
7. Refinish area until the desired level of polish has been achieved.
8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.

MAINTENANCE
Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care.

TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM
Additional product information is available at www.stonetech.com. The following is a list of related documents:
- DS 230.13: LATICRETE® Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KlenzAll Cleaner
- TDS 262: Stone and Tile Care Guide

AVAILABLE AND COST
Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 • Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM: DS 230.13: LATICRETE® Product Warranty

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Product Data Sheets and Product Data Sheets are subject to change without notice. For latest revisions, check our website at www.laticrete.com
STONETECH® Honing Powder

PRODUCT DESCRIPTION
STONETECH® Honing Powder offer extra fine to coarse grits that create even honed finishes.

Uses (Interior only)
- Countertops
- Backsplashes
- Floors
- Walls

Advantages
- Creates an even, honed, flat finish
- Prepares stone for polishing and shining
- Different grits eliminate mild to deep scratches
- Non-acidic
- Available in 180, 280, 400, 600, and 800 grit levels
- Designed for professional use

Recommended Surfaces
Natural stone such as:
- Marble
- Travertine
- Limestone
- Terrazzo

Item Numbers and Packaging
- 1 lb, 14 oz (850g)
- D12447194 – 180 Grit, 6 units per case
- D12447227 – 280 Grit, 6 units per case
- D12447250 – 400 Grit, 6 units per case
- D12447289 – 600 Grit, 6 units per case
- D12447316 – 800 Grit, 6 units per case

Approximate Coverage
- Up to 2000 ft² per lb (408 m²/kg) – 400 Grit/180 Grit
- Up to 1500 ft² per lb (309.7 m²/kg) – 280/600/800 Grit

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <90°F (32°C).

Storage and Handling Instructions
CAUTION: MAY CAUSE MILD EYE AND RESPIRATORY IRRITATION. Do not ingest. Avoid contact with eyes and skin. Avoid inhalation of dust. KEEP OUT OF THE REACH OF CHILDREN.

Cautions
Consult SDS for more safety information.
- Inhalation: Remove victim to fresh air. Get medical attention if symptoms persist.
- Skin contact: Wash area with soap and water. Get medical attention if irritation develops or persists.
- Eye contact: Do not rub eyes. Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.
- Ingestion: Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.

TECHNICAL DATA

Physical Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>3.6</td>
</tr>
</tbody>
</table>

INSTALLATION

Surface Preparation
Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean, dry and free of waxes and coatings.

Directions
1. If surface is heavily soiled, pre-clean with STONETECH KlenzAll Cleaner if needed.
2. Mask off and protect any baseboards or adjacent areas to avoid over-sanding the stone's face.
3. If you are using a variety of abrasive grits, ensure that the surface is well rinsed and a new pad is used for each changeover.
4. Apply approximately 1/2 cup (113.4 g) STONETECH Honing Powder plus 1 cup (236.6 mL) clean water directly onto the stone surface.
5. Refinish using a hand orbital sander or weighted floor machine at 120-140 psi. (59-64 kg). 175 rpm, fitted with a natural hair pad.
6. Keep compound wet while refreshing with plenty of water. Add STONETECH Honing Powder as needed.
7. Refinish area until the desired level of hone has been achieved.
8. Rinse well and use a wet vacuum or hot water extraction unit to remove all remaining compound.
9. Clean equipment with water.

Use successively higher numbered grits of STONETECH Honing Powder to close the face of the stone and follow with STONETECH Polishing Powder as applicable.

AVAILABILITY AND COST

Availability
For Distributor Information, Call:
Toll Free: +1.888.786.6343 ■ Telephone: +1.203.393.0010
For on-line distributor information, visit www.stonetech.com

Cost
Contact a LATICRETE Distributor in your area.

WARRANTY

See 10. FILING SYSTEM:
DS 230.13: LATICRETE® Product Warranty

MAINTENANCE

Highly alkaline, acidic, ammoniated, or abrasive cleaners are not necessary for daily maintenance and may also degrade the STONETECH sealer used, adversely affecting stain resistance. Tile and stone routine cleaning with a neutral pH cleaner such as STONETECH Stone & Tile Cleaner is recommended. For tough or difficult to remove soil use STONETECH KlenzAll Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the TDS 262 Stone and Tile Care Guide.

TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: +1.888.786.6343, ext. 2
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit www.stonetech.com.

FILING SYSTEM

Additional product information is available at www.stonetech.com. The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- DS 211.0: STONETECH Stone & Tile Cleaner
- DS 215.0: STONETECH KlenzAll Cleaner
- TDS 262: Stone and Tile Care Guide

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Maintenance & Care Instructions and Product Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com

DS 211 A 1016