SPECTRALOCK® PRO Grout†

SPECTRALOCK PRO® Grout† is a patented, high performance epoxy grout that offers color uniformity, durability and stain resistance with extraordinary ease of use.

FEATURES/BENEFITS

• Meets performance requirements of ANSI A118.3
• 80 minutes working time at 70°F (21°C)
• Equipped with anti-microbial technology
• Ideal for installations at wide temperature ranges
• Uniform color—no blotchiness or shading
• Easy to maintain, cleanable to the original color
• Stain resistant
• Tough, durable, and crack resistant
• Outperforms cement based grout
• Non-sag formula for walls and floors
• High fashion with Dazzle component
• Can be used for grout joints from 1/16-1/2”

USES

• Ceramic tile, glass tile and stone applications, residential and commercial
• Interior and exterior
• Floors and walls
• Ideal for re-grouting applications
• Swimming pools, fountains and other wet area applications

PACKAGING / COLOR

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Unit Size</th>
<th>Yield</th>
<th>Parts A &amp; B</th>
<th>Part C Color Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.2 US gal (0.7 L)</td>
<td>A: 0.32 lb (0.14 kg) B: 0.32 lb (0.14 kg)</td>
<td>C: 2.25 lb (1.0 kg)</td>
<td></td>
</tr>
<tr>
<td>Mini</td>
<td>0.8 US gal (3.0 L)</td>
<td>A: 1.28 lb (0.58 kg) B: 1.28 lb (0.58 kg)</td>
<td>C: 9.0 lb (4.0 kg)</td>
<td></td>
</tr>
<tr>
<td>Full*</td>
<td>3.2 US gal (12.0 L)</td>
<td>A: 4 x 1.28 lb (0.58 kg) B: 4 x 1.28 lb (0.58 kg)</td>
<td>C: 4 x 9.0 lb (4.0 kg)</td>
<td></td>
</tr>
</tbody>
</table>

*NOTE: LATICRETE SpectraLOCK PRO Grout† Part ‘C’ filler powder required and sold separately

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Globally Proven
Construction Solutions
### Approximate Coverage

Refer to Coverage Chart located on DS 254.3 APD. Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Add 10% for waste, spillage and clean-up, and another 10%–15% when grouting unglazed quarry tile. Expanded coverage tables at www.laticrete.com/coverage.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for the time listed below if stored at temperatures greater than 32°F (0°C) and less than 95°F (35°C).

- Part A & B Liquids – two (2) years
- Part C Powder – no limit*  
* High humidity will reduce the shelf life of bagged product.

### Limitations

- Not for use in areas subjected to harsh chemicals, or areas exposed to aggressive cleaning regimens (e.g. steam cleaning). Not for use on floor and base areas in veterinary clinics, kennels, or in applications exposed to high concentrations of food and mineral acids or areas exposed to high temperatures. For these areas LATICRETE® recommends using grout that meets ANSI A118.5 such as LATAPOXY® 2000 Industrial Grout†.
- Epoxy grout for ceramic tile and stone is not a replacement for a waterproofing membrane. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEMS).
- SPECTRALOCK® PRO Grout† should not be used on floors and base in the food preparation or cleaning area of commercial and industrial kitchen applications.

### Cautions

- DO NOT add water or any other material to the mixture, or re-temper with water. This will have an adverse effect on the product and void all warranties.
- Protect finished work from traffic until fully cured.
- SPECTRALOCK® PRO Grout† liquid components might irritate eyes and skin. Avoid contact with eyes and/or prolonged contact with skin.
- Wear protective gear (gloves, long sleeve shirt, and safety glasses) when applying. Flush thoroughly with water in case of initial contact.
- DO NOT ingest internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator or dust mask. See MSDS for more information.
- Because propane gas heaters will cause epoxy grouts to yellow, refrain from using such heaters or properly vent all exhaust.
- Keep out of reach of children.
- Protect from freezing.
- Light colors may darken and dark colors may fade slightly from direct UV exposure in exterior applications. Consult with LATICRETE Technical Services for specific exterior recommendations.
- SPECTRALOCK® DAZZLE™ (Glow) not for use in submerged installations.
- Maximum stain resistance is achieved in seven days at 70°F (21°C). Protect from exposure to acids (such as mustard, salad dressing, etc.) and strong cleaners during this period. Protect grout from dirt, construction debris, and contamination for 7 days @ 70°F (21°C).
- SPECTRALOCK® PRO Grout† is a sanded grout. Use of sanded grouts in joints <1/8" (3 mm) will result in a coarser surface compared to surfaces in wider joints.
- SPECTRALOCK® DAZZLE (Glow) might discolor from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning SPECTRALOCK PRO Grout† mixed with SPECTRALOCK® DAZZLE (Glow).
- Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK® PRO Grout† during installation. Apply a small test area to determine results before grouting entire installation.
- In steam rooms or submerged applications, allow SPECTRALOCK® PRO Grout† to cure for 10 days at 70°F (21°C) days before use of area and filing with water. See TDS 192 for more information on these applications.
- SPECTRALOCK® PRO Grout® is resistant to staining when exposed to most household products and cleaners (e.g. ketchup). However, long term exposure to any material without proper cleaning and maintenance will increase the probability of stains.
- Epoxy Resins may affect the color of white or porous stones (such as White Carrara, Thassos White, Royal Danby etc.)
- Test stones for compatibility with water and cleaning additive mixture.
- Conduct a test area to determine compatibility with metal or steel tile.

TECHNICAL DATA

VOC/LEED Product Information

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

Total VOC Content is 0.00026 lb/gal (0.031 g/l).

Physical Properties

<table>
<thead>
<tr>
<th>Test/Test Method</th>
<th>Description</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI A118.3 E5.1</td>
<td>Water Cleanability</td>
<td>Water Cleanable at 80 minutes</td>
</tr>
<tr>
<td>ANSI A118.3 E5.2</td>
<td>Initial Set Service Strength</td>
<td>&gt; 2 hours &lt; 24 hours</td>
</tr>
<tr>
<td>ANSI A118.3 E5.3</td>
<td>Shrinkage</td>
<td>&lt; 0.25%</td>
</tr>
<tr>
<td>ANSI A118.3 E5.4</td>
<td>Vertical Joint Sag</td>
<td>Pass</td>
</tr>
<tr>
<td>ANSI A118.3 E5.5</td>
<td>Quarry/Quarry Bond Strength</td>
<td>1,000 psi (tile failure) 8.9 MPa</td>
</tr>
<tr>
<td>ANSI A118.3 E5.6</td>
<td>Compressive Strength</td>
<td>3,500 psi (7 days) 24 MPa</td>
</tr>
<tr>
<td>ANSI A118.3 E5.7</td>
<td>Tensile Strength</td>
<td>1,100 psi (7 days) 7.6 MPa</td>
</tr>
<tr>
<td>ANSI A118.3 E5.8</td>
<td>Thermal Shock</td>
<td>510 psi 3.5 MPa</td>
</tr>
</tbody>
</table>

Chemical Resistance** Chart

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Splash Exposure (30 min)</th>
<th>Intermittent Exposure (24 hours)</th>
<th>Continuous Exposure (7 days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20% Sulfuric Acid</td>
<td>R</td>
<td>R**</td>
<td>NR**</td>
</tr>
<tr>
<td>5% Lactic Acid (Milk)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>50% Tannic Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>50% Tartaric Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>10% Oxalic Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>5% Acetic Acid (Vinegar)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>5% Benzoic Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>3% Formic Acid</td>
<td>R</td>
<td>R</td>
<td>NR</td>
</tr>
<tr>
<td>5% Citric Acid (Gatorade Drink)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>10% Potassium Permanganate</td>
<td>R**</td>
<td>R**</td>
<td>R**</td>
</tr>
<tr>
<td>1% Potassium Permanganate</td>
<td>R**</td>
<td>R**</td>
<td>R**</td>
</tr>
<tr>
<td>5% Sodium Hypochlorite (Bleach)</td>
<td>R</td>
<td>R</td>
<td>NR</td>
</tr>
<tr>
<td>45% KOH (Cascade)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Distilled Water</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
</tbody>
</table>

** Material will stain due to exposure to these items.
R=Recommended
NOTES TO SPECIFIER: Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 90°F (32°C).
Working Properties

Density—15 lbs/gal (1.8 g/ml)

<table>
<thead>
<tr>
<th>Test Standard</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40°F (4°C)</td>
</tr>
<tr>
<td>ANSI A118.3 E–5.1</td>
<td>Working Time</td>
</tr>
<tr>
<td>LIL-AS-01-110904</td>
<td>Tack Free Time</td>
</tr>
<tr>
<td>LIL-AS-01-110904</td>
<td>Ready for Light Foot Traffic</td>
</tr>
<tr>
<td>LIL-AS-01-110904</td>
<td>Ready for Heavy Foot Traffic</td>
</tr>
<tr>
<td>LIL-AS-02-110904</td>
<td>Dirt, Stain Resistance, Food Spills, Household Cleaners</td>
</tr>
<tr>
<td>LIL-AS-03-110904</td>
<td>Full Cure</td>
</tr>
</tbody>
</table>

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
See DS 685.5, How To Install SPECTRALOCK® PRO Grout†, for detailed installation instructions. This document is available online at www.laticrete.com and is included in all Part AB units.

AVAILABILITY AND COST
Availability
LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information, call: LATICRETE ME details

Cost: Contact a LATICRETE Distributor in your area.

WARRANTY
See 10. FILING SYSTEM
DS 230.13: LATICRETE Product Warranty
A component of:
DS 230.05: LATICRETE 5-Year System Warranty (LATICRETE Middle East & Africa)
DS 230.10: LATICRETE 10-Year System (LATICRETE Middle East & Africa)

MAINTENANCE
Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

TECHNICAL SERVICES

Information is available by calling the LATICRETE Technical Service
Telephone: + 971 7 244 6396

Technical and Safety Literature
To acquire technical and safety literature, please visit our website at www.laticrete.me / www.laticrete.com

† United States Invention Patent No.: 6881768 (and other Patents)