1600 Unsanded Grout

A premium, factory prepared, polymer fortified unsanded portland cement grout designed to be mixed with water. Formulated from a blend of high strength portland cement, graded aggregates, polymers and color-fast pigments. Provides a grout joint that is dense, hard and durable.

FEATURES/BENEFITS
- Mix with water; or for improved performance, fortify with 1776 Grout Enhancer.
- Excellent for wet and dry areas.
- Non-dusting, non-spalling and non-yellowing.
- Non-shrinking.
- Easy maintenance.
- Dense.
- Easy application and clean-up.
- No pre-soaking or wetting tile.
- No damp curing required.
- Available in a range of exciting non-fading colors for interior and exterior use.

USES
- For narrow joints (3 mm or less) between soft bisque glazed wall tile, non-vitreous clay tile, marble and stone.

MANUFACTURER
LATICRETE Middle East LLC.
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United Arab Emirates
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STANDARD
Applicable Standard: ANSI A118.6
This product has a cradle-to-gate (with options) Product-Specific (Type III) Environmental Product Declaration. The PCR review, life cycle assessment and declaration were independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.

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 pounds/gallon (grams/liter) of product in unused form is 0.00 lb/gal (0.00 g/l).
Packaging
- 10 kg bags; 100 bags per pallet
- 1 kg bags - 10 bags per cartons, 68 cartons per pallet

Colors:
Available in a wide range of LATICRETE® colors, please refer our Grout and Sealant color chart, see your local LATICRETE sales representative for details.

Approximate Coverage
Coverage: See Grout and Sealant color chart for coverage information.

Shelf Life
- 1kg advanced plastic bag provides two (2) year.
- 10 kg factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area.)

* High humidity will reduce the shelf life of bagged product.

Limitations
- Do not use where chemical resistance is required. Instead, use LATAPoxy® 2000 Industrial Epoxy Grout.
- Do not use acid to clean colored grout j oints.
- Do not allow grout to harden on the face of the tile; clean promptly.
- Jobsite conditions can affect the final color of colored grouts. Try a small test area to determine your results before grouting entire installation.
- Certain types of tile are more absorbent than others and may stain during grouting. Prior to grouting, test a tile with the grout selected. Use a grout release or sealer if required.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane (see Section 10 FILING SYSTEMS).
- 1600 Unsanded Grout is designed to be mixed with either water or 1776 Grout Enhancer. Do not mix other grout additives with this product. Use of other grout additives may result in color variation and reduced product performance and will void all LATICRETE warranties.

Cautions
Consult MSDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Contains portland cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- In submerged applications or steam rooms, allow 1600 Unsanded Grout to cure for 14 days at 21°C before use of area and filing with water. See TDS 192 for more information on these applications.
- DO NOT take internally
- Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA

Performance Properties
1600 Unsanded Grout mixed with Water (21°C)

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Results</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Strength</td>
<td>ANSI A118.6 H - 4.7</td>
<td>3.1-3.8 MPa</td>
<td>2.7 MPa</td>
</tr>
<tr>
<td>Linear Shrinkage 1 day</td>
<td>ANSI A118.6 H–4.3</td>
<td>0.01–0.03 %</td>
<td>&lt; 0.03 %</td>
</tr>
<tr>
<td>Linear Shrinkage 7 days</td>
<td>ANSI A118.6 H–4.3</td>
<td>0.08–0.1 %</td>
<td>&lt; 0.1 %</td>
</tr>
</tbody>
</table>

Working Properties
1600 Unsanded Grout mixed with Water (21°C)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Life</td>
<td>5 hours</td>
</tr>
<tr>
<td>Wet Density</td>
<td>1660 kg/M³</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

Surface Preparation
Before starting to grout, remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Substrate temperature must be between 4°C and 32°C. Apply grout release or sealer if necessary. Refer to Grout Troubleshooting Guide for more information on grouting.

Mixing
Use approximately 3.4 – 3.6 L of clean potable water / 1776 Grout Enhancer for 10 kg of 1600 Unsanded Grout powder. Place water in a clean mixing container and add grout powder slowly. Mix by hand or with a slow speed mixer to a smooth stiff consistency. Allow to slake for 5–10 minutes and remix. Water / 1776 Grout Enhancer 340- 360 ml for 1 kg.

Application
Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and grout is not just sitting on top (i.e. “bridging the joint”).

Cleaning
Grout Primary Cleaning—Remove excess grout from the face of the tiles with the edge of the grout float. Hold the...
float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material. **Grout Secondary Cleaning**—Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water.

*Note: Use caution when polishing soft glazed tiles or polished stone.*

**Selecting Other Grout Materials**

LATICRETE has grouting materials designed for every use. For maximum stain resistance in most installations choose SPECTRALOCK® PRO Grout†, for installations that require high strength and chemical resistance choose LATAPOXY® 2000 Industrial Epoxy Grout. These products are ideal for installations where a stain resistant, colorfast grout is desired.

**Availability and Cost**

**Availability**

LATICRETE® materials are available worldwide.

For distributor information, please contact us by email at: enquiry@laticrete.me or, visit www.laticrete.me

**Cost**

Contact a LATICRETE® closer distributor to obtain complete information and cost.

**Warranty**

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information.

**Maintenance**

Recommend to using LATICRETE® Floor & stone care products to protect, clean and enhance stone, masonry, tile and grout surfaces. Protect surfaces from common stains by using a STONETECH® sealer such as STONETECH® BulletProof® Sealer. Routine maintenance should follow with STONETECH Revitalizer® Cleaner and Protector or a neutral pH cleaner such as STONETECH Stone & Tile Cleaners. For tough or difficult to remove soil use STONETECH KlenzAll™ cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. For additional information, please consult our technical support.

**Technical Services**

**Technical Assistance**

For information contact us by email at: enquiry@laticrete.me

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