1600 Unsanded Grout

DS-258.0-1013

Globally Proven Construction Solutions





1. PRODUCT NAME
1600 Unsanded Grout

2. MANUFACTURER
LATICRETE International, Inc.
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Bethany, CT 06524-3423 USA
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3. PRODUCT DESCRIPTION
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.

Uses
For narrow joints (1/8" [3 mm] or less) between soft bisque glazed wall tile, non-vitreous clay tile, marble and stone.

Advantages
- 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

Packaging
- 1 lb (0.45 kg) carton; 8 cartons per carton; 176 cartons per pallet$^{\Delta}$
- 8 lb (3.6 kg) carton; 4 cartons per carton; 44 cartons per pallet
- 25 lb (11.3 kg) bags; 100 bags per pallet$^{\Delta\Delta}$

Δ 1 lb box available only in 44 Bright White.

$\Delta\Delta$ Colors available in 25 lb bags: 17 Marble Beige, 18 Sauterne, 23 Antique White, 44 Bright White, 61 Parchment, 85 Almond, 88 Silver Shadow.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for the period of time listed below if stored off the ground in a dry area.
1 lb (0.45 kg) carton – two (2) years
8 lb (3.6 kg) carton – two (2) years
25 lb (11.3 kg) bag – one (1) year*
* High humidity will reduce the shelf life of bagged product.

Limitations
- Do not use where chemical resistance is required. Instead, use SPECTRALOCK® 2000 IG.
- Do not use acid to clean colored grout joints.
- 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 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 70°F (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.

4. 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 pounds/gallon (grams/liter) of product in unused form is 0.00 lb/gal (0.00 g/ℓ).

Applicable Standard ANSI A118.6

Performance Properties

1600 Unsanded Grout mixed with Water (70°F [21°C])

Test	Method	Results	Specification
Flexural Strength	ANSI A118.6 H–4.7	450–550 psi (3.1–3.8 MPa)	> 400 psi (2.7 MPa)
Linear Shrinkage 1 day	ANSI A118.6 H–4.3	0.01–0.03 %	< 0.03 %
Linear Shrinkage 7 days	ANSI A118.6 H–4.3	0.08–0.1 %	< 0.1 %

Working Properties

1600 Unsanded Grout mixed with Water (70°F [21°C])

Pot Life	5 hours
Wet Density	104 lbs/ft³ (1660 kg/m³)

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.

5. 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 40°F (4°C) and 90°F (32°C). Apply grout release or sealer if necessary. Refer to Grout Troubleshooting Guide for more information on grouting.

Mixing

Use approximately 4.5–5 qts (4.2–4.7ℓ) of clean potable water for 25 lbs (11.3 kg) or 1.4–1.6 qts (1.3–1.5 ℓ) of clean potable water to 8 lb 3.6 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.

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 SPECTRALOCK 2000 IG. These products are ideal for installations where a stain resistant, colorfast grout is desired.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010

For on-line Distributor information, visit LATICRETE at **www.laticrete.com**.

Cost

Contact a LATICRETE/LATAPOXY Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM
DS 230.13: LATICRETE Product Warranty

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. Contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the grout. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at **www.laticrete.com**.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty
DS 030.0: SPECTRALOCK® 2000 IG
DS 236.0: 9235 Waterproofing Membrane
DS 254.3: Grout Color Card
DS 265.0: 1776 Grout Enhancer
DS 663.0: HYDRO BAN®
DS 685.0: SPECTRALOCK PRO Grout†
TDS: 192: Installation of Ceramic Tile in Swimming Pools

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

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