



1600 Unsanded Grout

DS-258-0324

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

1600 Unsanded Grout

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 1235

Toll Free: 1.800.243.4788, ext. 1235

Fax: +1.203.393.1684

Website: laticrete.com

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-shrinking
- Easy maintenance
- Non-dusting, non-spalling and non-yellowing
- 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

Suitable Substrates

Packaging

- 8 lb (3.6 kg) carton; 4 cartons per carton; 44 cartons per pallet??
- 25 lb (11.3 kg) bags; 100 bags per pallet
25 lbs bag available only in 44 Bright White.
Colors available in 8 lb cartons: 44 Bright White, 90 Light Pewter, 40 Latte, 39 Mushroom, 78 Sterling Silver, 24 Natural Grey, 89 Smoke Grey, 17 Marble Beige, 88 Silver Shadow, 23 Antique White

Shelf Life

Advanced plastic bag provides two (2) year shelf life. (non-rapid versions only) ***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 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.

Pot Life	5 hours
Wet Density	13.9 lbs/ft ³ (1.66 kg/m ³)

Cautions

- Consult SDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Contains portland cement. Causes skin irritation and serious eye damage. Wear protective gloves, clothing and eye protection. In case of contact, flush thoroughly with water.
- When mixed with STONETECH® GroutUp™ Additive 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/?).

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.

Physical 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])

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 (4.2–4.7?) of clean potable water for 25 lbs (11.3 kg) or 1.4–1.6 qts (1.3–1.5 ?) 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. Note: For an added level of stain fighting protection use STONETECH Stain Protecting Grout Additive in lieu of water.

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 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 laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

- 1 Year Product Warranty (US - English)

8. MAINTENANCE

LATICRETE recommends using STONETECH® surface 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 refer to the Grout Guide, TDS 400 and TDS 113 Cement Grout Care & Maintenance for more information.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE

Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235

Telephone: +1.203.393.0010, ext. 1235

Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

Additional product information is available on our website at 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

LATICRETE International, Inc.

One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • www.laticrete.com

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