



1600 Unsanded Grout

A premium, factory prepared, polymer modified 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

- Polymer modified
- 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.

MANUFACTURER

LATICRETE Middle East LLC.
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United Arab Emirates
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USES

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

STANDARDS

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.**

GREENGUARD CERTIFIED



DCLD CERTIFIED



See the technical Data

Packaging

- 10 kg bags; 100 bags per pallet
- 5 kg pouch – 4 pouches per carton, 36 cartons per pallet
- 1 kg pouch - 10 pouches per carton, 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: sqm/10 kg bag

Tile Size, mm	Joint Width	
	1.5 mm	3 mm
L x W x D		
200 x 200 x 8 mm	50.20	25.10
300 x 300 x 8 mm	75.30	37.65
400 x 400 x 9 mm	89.25	44.62
450 x 450 x 10 mm	90.36	45.18
600 x 300 x 9 mm	89.25	44.62
600 x 600 x 10 mm	120.48	60.24
600 x 900 x 10 mm	144.58	72.29

NOTE: Calculated coverage indicated is approximate, based on “nominal” tile size and is provided for purposes of estimation only. Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Use of sufficient thin set reduces grout requirement. Add 10% for waste, spillage and clean-up with ceramic tiles.

Shelf Life*

- 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.**
- **For 5 kg and 1 kg pouch the shelf life is 24 months.**

Limitations

- Do not use where chemical resistance is required. Instead, use LATAPOXY® 2000 Industrial Epoxy Grout.
- 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.

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

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

GREENGUARD: 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

DCLD: This product has been certified for Low Emitting Materials by Dubai Central Laboratory Department (DCLD) of Dubai Municipality. No.CL20020733: 2017 Al Sa'fat Dubai Green Building Evaluation System.

Performance Properties

1600 Unsanded Grout mixed with Water (21°C)

Test	Method	Results	Specification
Flexural Strength	ANSI A118.6 H - 4.7	3.1–3.8 MPa	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 (21°C)

Pot Life	2-3 hours
Wet Density	1660 kg/M ³

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

Recommends 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

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.me

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

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