



Globally Proven
Construction Solutions

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/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd (Level 2, A3)
No. 38 Sungei Kadut, Street 2, Singapore 729245
Telephone: +65 6515 3028 Fax: +65 6515 3037
Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS

BS EN 12808



This product has been certified green under the UL GREENGUARD Certification Program and Singapore Green Building Council.

Packaging

20kg /bag

Coverage

Refer to Coverage Chart.

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.

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, at temperatures $>0^{\circ}\text{C}$ and $<40^{\circ}\text{C}$.

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

Limitations

- For use in areas submerged under water, please take note on the balancing of PH content, calcium hardness & total alkalinity.
- Do not use where chemical resistance is required. Instead, use SpectraLock Pro 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.

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 usage of area and filling 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.
- In submerged underwater applications, please note that water balancing of PH, total alkalinity and calcium hardness is important to ensure durability of grout.

TECHNICAL DATA

Performance Properties

When mixed with water

Test	Test Method	Results
Shrinkage	BS EN 12808-4	$<1.8\text{mm/m}$
Water Absorption (30 min)	BS EN 12808-5	$<0.98\text{g}$
Water Absorption (240 min)	BS EN 12808-5	$<2.28\text{g}$
Compressive Strength	BS EN 12808-3	$>17.5\text{N/mm}^2$
Flexural Strength	BS EN 12808-3	$>4/\text{mm}^2$
Abrasion Resistance	BS EN 12808-2	$<900\text{mm}^3$

Working Properties

1600 Unsanded Grout mixed with water

Pot Life	1 hour
Foot Traffic	24 hours

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 8°C and 35°C . Apply grout release or sealer if necessary. Refer to LATICRETE Grout Troubleshooting Guide for more information on grouting.

Mixing

Use approximately 5.8ℓ - 6.2ℓ of clean potable water for 20kg 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 3–5 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 LATAPOXY 2000 Industrial Grout. These products are ideal for installations where a stain resistant, colorfast grout is desired.

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

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

For on-line distributor information, visit LATICRETE at se.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE SOUTH EAST ASIA PTE LTD warrants that 1600 Unsanded Grout is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions stated in Data Sheet.

MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

TECHNICAL SERVICES/ CONTACT

Technical Assistance

Information is available by calling:

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Technical and safety literature

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