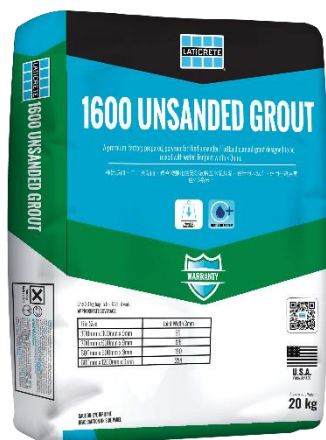




# 1600 Unsanded Grout

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 which contains MICROBAN® Anti Microbial Protection
- Excellent for wet and dry areas
- Non-dusting, non-spalling and non-yellowing
- Easy maintenance
- No damp curing required
- No pre-soaking or wetting tile
- Easy application and clean-up
- Dense
- Available in a range of exciting non-fading colours for interior and exterior use

## USES

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

## PACKAGING/COLOUR

- 20kg bag; 80 bags per pallet
- Available in 40 colours

## MANUFACTURER

LATICRETE (Malaysia) Sdn Bhd

#18-08, Faber Tower 2, Jalan Desa Bahagia, Taman Desa  
58100 Kuala Lumpur, Malaysia

Tel: +603 7989 9188 Fax: +603 7972 0331

Internet: <https://ma.laticrete.com>



2553-420



SGBP 2019 - 2037

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

### Approximate 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 and total alkalinity
- 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
- DO NOT use 1600 Unsanded Grout in areas subjected to harsh chemicals, or areas exposed to aggressive cleaning regiments (e.g. steam cleaning)
- Job site conditions will affect the final colour of coloured grouts. Try a small test area to determine your results before grouting the entire installation
- Certain types of tile are more absorbent than others and thus might trap the colour pigment during grouting. Prior to grouting, test for absorption of colour pigment. Porous tiles will need to be sealed prior to grouting
- Do not allow grout to harden on the face of the tile; clean promptly

### Cautions

Consult MSDS for more safety information

- During cold weather, protect finished work from traffic until fully cured
- Contains Portland cement and Silica sand. 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  $21^{\circ}\text{C}$  before using of area and filing with water. See TDS 192 for more information on these applications
- DO NOT take internally. Silica sand may cause cancer or serious lung problems. 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

### 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 in unused form is 0.00lb/gal (0.00g/ℓ)

### Performance Properties

(1600 Unsanded Grout + Water)

Test	Test Method	Results
Shrinkage	BS EN 12808-4	$< 2.0\text{mm/m}$
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	$> 22\text{N/mm}^2$
Flexural Strength	BS EN 12808-3	$> 6\text{N/mm}^2$
Abrasion Resistance	BS EN 12808-2	$< 900\text{mm}^3$

## Working Properties

(1600 Unsanded Grout + Water)

Pot Life (25°C)	1 Hour
Time to Light 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 TDS 400 Grout Trouble Shooting 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 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 (ie. “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 exceptional stain resistance in most installations choose SPECTRALOCK® PRO Premium Grout†. For installations that requires high strength and chemical resistance, choose grout that meets ANSI 118.5 such as SPECTRALOCK 2000 IG

## AVAILABILITY AND COST

### Availability

LATICRETE materials are available worldwide

For distributor information, call:

Telephone: +603 7989 9188

Fax: +603 7972 0331

For online distributor information, visit LATICRETE at <https://ma.laticrete.com>

### Cost

Contact a LATICRETE distributor in your area

## WARRANTY

LATICRETE (Malaysia) Sdn Bhd 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 subjected to terms and conditions stated

## 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 BULLETPROOF® sealer. Routine maintenance should follow with REVITALIZER® Cleaner and Protector or a neutral pH cleaner such as Stone & Tile Cleaners. For tough or difficult to remove soil use 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

† United States Invention Patent No.: 6,881,768 (and other Patents)

## TECHNICAL SERVICE/CONTACT

### Technical Assistance

Information is available by calling:

LATICRETE (Malaysia) Sdn Bhd  
#18-08, Faber Tower 2, Jalan Desa Bahagia,  
Taman Desa, 58100 Kuala Lumpur,  
Malaysia  
Telephone: +603 7989 9188  
Fax: +603 7972 0331  
Email: [enquiry@laticrete.com.my](mailto:enquiry@laticrete.com.my)

### Technical and safety literature

To acquire technical and safety literature, please visit our website at <https://ma.laticrete.com>