



**For the Builders
of a Better World™**

1776 Grout Enhancer

Designed for use with 1500 Sanded Grout and 1600 Unsanded Grout, 1776 Grout Enhancer is used in place of water to provide a dense, colorfast grout joint that inhibits stain causing bacteria, mold and mildew growth with anti-microbial. Ideal for all interior and exterior grout applications.



FEATURES/BENEFITS

- Inhibits stain causing mold and mildew with anti-microban.
- Easy to clean—cleans easily using a minimal amount of water.
- Inhibits powdering and cracking—provides a denser and stronger Portland cement grout joint.
- Locks in grout color—reduces problems with faded or blotchy color in grouts.
- Water and frost resistant—prevents damage to grouts from weathering, frost and thermal shock.
- Reduces staining. Reduces absorption.
- Designed for interior and exterior use.
- “Extra Heavy Service” rating per TCNA performance levels (RE: ASTM C627 Robinson Floor Test).
- Improves flexibility and durability—makes grout more shock resistant.

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd (Level 2, A3)
No. 38 Sungei Kadut, Street 2, Singapore 729245
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USES

Used in place of water, 1776 Grout Enhancer improves the performance of portland cement grouts for all types of: ceramic tile, brick, marble and stone installations.

STANDARDS/CERTIFICATIONS

- BS EN 12808

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



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.

Suitable Substrates

All substrates suitable for Ceramic Tile and Stone

Packaging

20e /pail

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures $>0^{\circ}\text{C}$ and $<40^{\circ}\text{C}$.

Limitations

- For use in areas submerged under water, please take note on the balancing of PH content, calcium hardness & total alkalinity.
- Not for use in areas exposed to harsh chemicals. Use LATAPOXY® 2000 IG for chemical resistance.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.
- Certain types of tile may be stained by pigment during grouting. Prior to grouting, do a test area to verify cleanability of tile. A sealer or grout release may be required.

Cautions

Consult MSDS for more safety information

- During cold weather, protect finished work from traffic until fully cured.
- In submerged applications or steam rooms, allow 1776 Grout Enhancer and LATICRETE Grout to cure for 14 days at 21°C before filing water features with water or use of steam room. See TDS 192 for more information on these applications.
- Keep out of reach of children.

TECHNICAL DATA

Performance Properties

1776 Grout Enhancer mixed with 1500 Sanded Grout at 21°C

Test	Test Method	Results
Compressive Strength	BS EN 12808-3	$>22\text{N}/\text{mm}^2$
Flexural Strength	BS EN 12808-3	$>7\text{N}/\text{mm}^2$
Shrinkage	BS EN 12808-4	$<2\text{mm}/\text{m}$
Water Absorption (30 min)	BS EN 12808-5	$<0.58\text{g}$
Water Absorption (240 min)	BS EN 12808-5	$<1.08\text{g}$
Abrasion Resistance	BS EN 12808-2	$<650\text{mm}^3$

1776 Grout Enhancer mixed with 1600 Unsanded Grout at 21°C

Test	Test Method	Results
Compressive Strength	BS EN 12808-3	$>24\text{N}/\text{mm}^2$
Flexural Strength	BS EN 12808-3	$>7\text{N}/\text{mm}^2$
Shrinkage	BS EN 12808-4	$<2\text{mm}/\text{m}$
Water Absorption (30 min)	BS EN 12808-5	$<0.58\text{g}$
Water Absorption (240 min)	BS EN 12808-5	$<1.08\text{g}$
Abrasion Resistance	BS EN 12808-2	$<580\text{mm}^3$

Working Properties

1776 Grout Enhancer mixed with 1500 Sanded Grout

Pot Life	1 hour
Foot Traffic	12 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 grouting, 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 Trouble Shooting Guide for more information on grouting.

Mixing

Stir or shake 1776 Grout Enhancer thoroughly before use. Add 1500 Sanded Grout or 1600 Unsanded Grout to proper amount of 1776 Grout Enhancer and mix by hand or with a slow speed mixer ($<300\text{RPM}$) to a smooth, stiff consistency. Allow to slake for 3–5 minutes and remix.

Color Grouting	1776 Grout Enhancer
1500 Sanded Cementitious Grout (20kg)	4.4ℓ - 4.8ℓ
1600 Unsanded Cementitious Grout (20kg)	5.8ℓ - 6.2ℓ

Application

Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout 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. Let grouts firm up approximately 20—30 minutes.

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.

Cold Weather Note: The setting of Portland cement grouts is retarded by low temperatures. Protect finished work for an extended period when installing in cold weather.

Hot Weather Note: The evaporation of moisture in Portland cement grouts is accelerated by hot, dry conditions. Apply grout to dampened surfaces and protect freshly spread grout and finished work when installing in temperatures over 35°C.

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 1776 Grout Enhancer 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 grouts require routine cleaning with a neutral pH solution of 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

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