



1776 Grout Enhancer

Designed for use with 1500 Tri-Poly Fortified Sanded Grout and 1600 Tri-Poly Fortified Unsanded Grout. 1776 Grout Enhancer is used in place of water to provide a dense, colourfast grout joint that inhibits stain causing bacteria, mold and mildew growth with MICROBAN® Anti Microbial Protection. Ideal for all interior and exterior grout application



FEATURES/BENEFITS

- Inhibits stain causing mold and mildew with MICROBAN Anti Microbial Protection
- Cleans easily using minimal amount of water
- Inhibits powdering and cracking
- Provides denser and stronger Portland cement grout joint
- Reduces problems with faded or blotchy colour in grouts
- Prevents damage to grouts from weathering, frost and thermal shock
- Reduces absorption; Reduces Staining
- Designed for interior and exterior use
- "Extra Heavy Service" rating per TCNA performance levels (RE: ASTM C627 Robinson Floor Test)
- Improves flexibility and durability

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

PACKAGING/COLOUR

- 20L pail; 36 pails per pallet

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



CSA 3910-3937

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 (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 Industrial Grout for chemical resistance
- Adhesive/mastic, 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 filling 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

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 $< 0.02\text{lb/gal}$ ($< 2.39\text{g/l}$)

Performance Properties

1776 Grout Enhancer mixed with 1500 Tri-Poly Fortified Sanded Grout at 21°C

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

1776 Grout Enhancer mixed with 1600 Tri-Poly Fortified Sanded Grout at 21 °C

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

Working Properties

1776 Grout Enhancer mixed with 1500 Tri-poly Fortified Sanded Grout

Pot Life (25°C)	1 Hour
Time to Light 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 Troubleshooting Guide for more information on grouting

Mixing

Stir or shake LATICRETE 1776 Grout Enhancer thoroughly before use. Add LATICRETE 1500 Tri-poly Fortified Sanded Grout or LATICRETE 1600 Tri-poly Fortified Unsanded Grout to proper amount of LATICRETE 1776 Grout Enhancer and mix by hand or with a slow speed mixer (<300 RPM) to a smooth, stiff consistency. Allow to slake for 5-10 minutes and remix

Colour Grouting	LATICRETE 1776 Grout Enhancer
1500 Tri-poly Sanded Grout (20kg)	4.4L – 4.8L
1600 Tri-poly Unsanded Grout (20kg)	5.8L – 6.2L

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

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

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

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 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 subjected to terms and conditions stated

MAINTENANCE

LATICRETE grouts require routine cleaning with a neutral pH solution of soap and water

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

Technical and safety literature

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