

### 1. PRODUCT NAME

LATICRETE® 1776 Grout Admix Plus with Anti-Microbial Protection

### 2. MANUFACTURER

LATICRETE Pty Ltd  
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 Footscray West. VIC> 3012.  
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### 3. PRODUCT DESCRIPTION

Designed for use with LATICRETE 500/600 Series Grout, LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection is used in place of water to provide a dense, more colorfast grout joint that inhibits stain causing bacteria, mold and mildew growth with anti-microbial protection. Ideal for all interior and exterior grout applications.

#### Uses

Used in place of water, LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection improves the performance of Portland cement grouts for all types of: ceramic tile, brick, marble, natural stone and agglomerate stone installations.

#### Advantages

- Inhibits stain causing bacteria, mold, and mildew with anti-microbial protection.
- Easy to clean - cleans easily using a minimal amount of water.
- Inhibits powdering and cracking - provides denser, stronger Portland cement grout joints.
- Locks in grout color – helps reduce 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 duty - achieves an “Extra Heavy” floor rating when part of a total LATICRETE ceramic tile installation.
- Improves flexibility and durability - makes grout more shock resistant.

#### Suitable Substrates

All substrates suitable for Ceramic Tile and Stone.

#### Packaging

500ml bottles, 18 per carton.  
 1 litre jugs, 12 per carton.  
 5 litre jugs, 3 per carton.  
 20 litre pails, 36 per pallet.

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for five (5) years if stored at temperatures >0°C and <43°C.

#### Limitations

- Not for use in areas exposed to harsh chemicals. Use LATAPOXY 2000 Industrial Epoxy Grout for chemical resistance.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes. When a waterproof membrane is required, use a LATICRETE Waterproof 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.
- Anti-microbial protection will help keep grout clean “in-between” normal cleanings. It is not a substitute for good maintenance (refer to Sec. 8)

#### Cautions

- During cold weather, protect finished work from traffic until fully cured.
- In submerged applications or steam rooms, allow LATICRETE 1776 Grout Admix Plus to cure for 14 days at 21°C before filling water features with water or use of steam room.
- Keep out of reach of children.
- For safety issues, consult MSDS.

### 4. TECHNICAL DATA

#### Applicable Standard

ANSI A118.7

#### Performance Properties

LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection mixed with LATICRETE 1500 Series Tri-Poly Fortified Sanded Grout

Test/Test Method	Results
Water Absorption ANSI A118.7-3.4	<7%
Compressive Strength ANSI A118.7-3.5	24 MPa
TCA Service Rating ASTM C-627	Extra Heavy

#### Working Properties

LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection mixed with LATICRETE 500 Series Fortified Sanded Grout 21°C

Pot Life	1 hour
Time to Foot Traffic	12 hours
Time to Heavy Traffic	72 hours
Wet Density	1860 kg/m <sup>3</sup>

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.

## 5. INSTALLATION

### Surface Preparation

Before starting, 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 LATICRETE Grout Trouble Shooting Guide for more information on grouting.

### Mixing - Stir or shake LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection thoroughly before use.

Add LATICRETE 500 Series Sanded Grout or LATICRETE 600 Series Unsanded Grout powder to proper amount of LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection and mix by hand or with a slow speed mixer to a smooth, stiff consistency.

LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection		
Liquid	Sanded Grout (500 Series)	Unsanded Grout (600 Series)
500ml	3kgs	1.5kgs
1 litre	6kgs	3kgs
5 litres	30kgs	15kgs
20 litres	120kgs	60kgs

Above figures are approximate and may vary depending on site conditions.

### Application

Grout installation after a minimum of 24 hours curing time at 21°C. 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. Insure 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 mortars and grouts are 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 mortars is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work when installing in temperatures over 35°C.

## 6. AVAILABILITY AND COST

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

Toll Free: 1800331012

Telephone: 03 99336111

For on-line distributor information, visit LATICRETE at [www.LATICRETE.com.au](http://www.LATICRETE.com.au)

### Cost

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

LATICRETE International, Inc. warrants that LATICRETE 1776 Grout Admix Plus with Anti-Microbial Protection is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of seven (7) years from date of purchase subject to the terms and conditions stated in Data Sheet 230.7Paus. This product is also apart of the Laticrete 10 year system warranty when used in accordance with Data Sheet 230.10Saus.

## 8. 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.

## 9. TECHNICAL SERVICES

### Technical assistance

Information is available by calling the LATICRETE Technical Service Hotline

(hours 8:00 AM to 5:00 PM EST):

Toll Free: 1800331012

Telephone: 03 99336111

FAX: 03 99336199