



1776 Grout Enhancer

DS-265.0-0310



1. PRODUCT NAME

LATICRETE® 1776 Grout Enhancer

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

Designed for use with LATICRETE 1500 Sanded Grout and LATICRETE 1600 Unsanded Grout, LATICRETE 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 Microban®. Ideal for all interior and exterior grout applications.

Uses

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

Advantages

- Inhibits stain causing mold and mildew with Microban.
- Easy to clean—cleans easily using a minimal amount of water.
- Inhibits powdering and cracking—provides a more dense 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.

Suitable Substrates

All substrates suitable for Ceramic Tile and Stone.

Packaging

26 oz (0.75 l) Bottles/12 per carton, 40 per pallet
64 oz (1.85 l) Bottles/6 per carton, 48 cartons per pallet
47 oz (1.40 l) Bottles /6 per carton, 48 cartons per pallet
5 gal (19 l) Pail, 36 pails 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 >32°F (0°C) and <110°F (43°C).

Limitations

- Not for use in areas exposed to harsh chemicals. Use LATAPOXY® 2000 Industrial Grout 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 (see Section 10 FILING SYSTEMS).
- 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 LATICRETE 1776 Grout Enhancer and LATICRETE Grout to cure for 14 days at 70°F (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.

4. TECHNICAL DATA

VOC/LEED Product Information



This product has been GREENGUARD Indoor Air Quality Certified® by the GREENGUARD Environmental Institute under the GREENGUARD Standard for Low Emitting Products in finished form.

Total VOC Content pounds/gallon (grams/liter) of product in unused form is <0.02 lb /gal (<2.39 g/l).

Applicable Standard

ANSI A118.7

Performance Properties

LATICRETE® 1776 Grout Enhancer mixed with LATICRETE 1500 Sanded Grout

Test	Method	Results	Specification
Compressive Strength	ANSI A118.7 N-3.5	3500–3700 psi (24.1–25.5 MPa)	> 3000 psi (20.7 MPa)
Water Absorption to Dry	ANSI A118.7 N-3.4	6–7%	< 7%

Working Properties

LATICRETE 1776 Grout Enhancer mixed with LATICRETE 1500 Sanded Grout at (70°F [21°C])

Pot Life	2–3 hours
Time to Foot Traffic	12 hours
Time to Heavy Traffic	72 hours
Wet Density	116 lbs/ft ³ (1860 kg/m ³)

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 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 40°F (4°C) and 90°F (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 Enhancer thoroughly before use. Add LATICRETE 1500 Sanded Grout or LATICRETE 1600 Unsanded Grout powder 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.

LATICRETE 1776 Grout Enhancer

LATICRETE® 1776 Grout Enhancer		
Liquid	LATICRETE 1500 Sanded Grout	LATICRETE 1600 Unsanded Grout
26 oz (0.75 l) Bottle	10 lbs (4.5 kg)	
47 oz (1.40 l) Bottle		8 lbs (3.6 kg)
64 oz (1.89 l) Bottle	25 lbs (11.25 kg)	
5 gal (19 l) Pail	10 ea 25 lbs (11.25 kg)	

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. 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 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 95°F (35°C).

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For distributor information, call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

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

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEMS

DS 230.13: LATICRETE Product Warranty

A component of:

DS 230.05: LATICRETE 5 Year System Warranty

DS 230.12HC: LATICRETE Home Center 10 Year System Warranty

8. MAINTENANCE

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

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the LATICRETE Technical Service Hotline (hours 8:00 AM to 5:30 PM EST):

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and safety literature

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

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 230.05: LATICRETE 5 Year System Warranty

DS 230.12HC: LATICRETE Home Center 10 Year System Warranty

DS 236.0: LATICRETE 9235 Waterproofing Membrane

DS 256.0: LATICRETE 1500 Sanded Grout

DS 258.0: LATICRETE 1600 Unsanded Grout

DS 254.3: LATICRETE Grout Color Card

DS 634.0: LATAPOXY 2000 Industrial Grout

DS 663.0: LATICRETE Hydro Ban™

TDS 192: Installation of Ceramic Tile in Swimming Pools

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