



# 1776 Grout Enhancer

DS-265-0420

**Globally Proven  
Construction Solutions**



- 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
- Reduces staining. Reduces absorption.
- Designed for interior and exterior use.
- frost and thermal shock.
- “Extra Heavy Service” rating per TCNA performance levels (RE: ASTM C627 Robinson Floor Test).
- Improves flexibility and durability—makes grout more shock resistant.

## 1. PRODUCT NAME

1776 Grout Enhancer

## 2. MANUFACTURER

LATICRETE International, Inc.

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Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 1235

Toll Free: 1.800.243.4788, ext. 1235

Fax: +1.203.393.1684

Website: [laticrete.com](http://laticrete.com)

## 3. PRODUCT DESCRIPTION

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. Ideal for all interior and exterior grout applications. Equipped with Microban Anti-Microbial Protection

### 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.

### Advantages

- Equipped with anti-microbial technology.
- Easy to clean—cleans easily using a minimal amount of water

### Suitable Substrates

### 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 SPECTALOCK® 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 (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 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 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 pounds/gallon (grams/liter) of product in unused form is <0.02 lb /gal (<2.39 gal/?).

### Applicable Standard

- ANSI A118.7

### Physical Properties

1776 Grout Enhancer mixed with 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

1776 Grout Enhancer mixed with 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 <sup>3</sup> (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 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 1776 Grout Enhancer thoroughly before use. Add 1500 Sanded Grout or 1600 Unsanded Grout powder to proper amount of 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.

1776 Grout Enhancer		
Liquid	1500 Sanded Grout	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 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

[laticrete.com](http://laticrete.com)

### Cost

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

See 10. FILING SYSTEM:

- DS 230.13: 1 Year Product 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:

Toll Free: 1.800.243.4788, ext. 1235

Telephone: +1.203.393.0010, ext. 1235

Fax: +1.203.393.1948

### Technical and Safety Literature

To acquire technical and safety literature, please visit our website at [laticrete.com](http://laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [laticrete.com](http://laticrete.com). The following is a list of related documents:

- DS 230.13: LATICRETE® Product Warranty
- DS 236.0: 9235 Waterproofing Membrane
- DS 256.0: 1500 Sanded Grout
- DS 258.0: 1600 Unsanded Grout
- DS 634.0: SPECTRALOCK® 2000 IG
- DS 663.0: HYDRO BAN®
- DS 254.3: Grout Color Card
- TDS 192: Installation of Ceramic Tile in Swimming Pools

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