

1. PRODUCT NAME

LATAPOXY® QG-100 Epoxy Adhesive & Grout

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

LATAPOXY QG-100 Epoxy Adhesive & Grout is an economical epoxy adhesive and grout for: CERAMIC TILE, QUARRY TILE, PAVERS, BRICK, TILE AND STONE. Recommended for commercial and industrial projects, for grout joints 1/8"-3/4" (3-18mm).

Advantages

- Meets ANSI A118.3-1999 requirements
- Versatile - for both setting and grouting all types of tile.
- **Water Cleanable - easy to use**

Packaging

Carton Contains:
4 x 1lb. (.45 kg) PART A
4 x 2lb. (.90 kg) PART B
2 x 20lb. (9 kg) PART C
Mix 2A + 2B + 1C
Colors
924 Natural Grey, 922 Midnight Black

Coverage

As an Adhesive: 70-80 sq. ft (6.3-7.2 sq. m.) using 1/4" x 1/4" (6mm x 6mm) notch trowel.
As a Grout: Refer to LATICRETE Grout Color Card D.S.254.3 Epoxy Grout.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years.

Limitations

- When slab temperature is below 60°F (16°C), use LATAPOXY® 300 Rapid Adhesive and LATAPOXY 2000 Industrial Epoxy Grout.
- Maximum chemical and stain resistance is achieved in 10 days @ 70oF/21oC cure temperature.
- Some tile, pavers or stone can be stained by color pigments in grout. Try a small test area to determine results before grouting entire installation.
- Not recommended for grouting soft, polished marble or delicate glazed tiles.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for

waterproof membranes. When a waterproof membrane is required, use a LATICRETE Waterproof Membrane (see Section 10 Filing Systems).

- When installing ceramic tiles, verify that substrate deflection does not exceed the industry standard of L/360 of the span under combined live and dead loads. Not to be used with engineered wood joist systems. Some marbles and other natural stone have low flexural strength and may not be suitable for installation over wood floors.

4. TECHNICAL DATA

Applicable Standard

ANSI A118.3-1999: Chemical Resistant, Water Cleanable, Tile Setting and Grouting Epoxy.

Physical Properties

Quarry Shear Bonds	1100 lbs/in ² (7.6 MPa)
Compressive Strength	7000 lbs/in ² (48.2 MPa)
Tensile Strength	1700 lbs/in ² (11.7 MPa)
Thermal Shock	1200 lbs/in ² (8.3 MPa)

Working Properties

Workability (Pot Life)	1 hour @ 72°F/22°C
Surface Temperature Range (for installation)	60°F(16°C) - 90°F (32°C)
Service Temperature Range**	Intermittent: up to 250°F (121°C) Continuous: 150°F (65°C)
Time to Traffic @ 70°F/21°C	Normal- 24 hours Heavy- 72 hours

**Service Temperature Exposure defined as:

Intermittent- where hot materials, liquids or steam come in contact with grout for a short time.

Continuous- where grout is subjected to continuous heat such as under a bakery oven.

Specifications subject to change without notice. Results shown are typical but reflect test procedures used. Actual field performance will depend on the type of tile/stone/brick used, installation methods and site conditions.

NOTE: Temperature will affect the working properties of 100% solids epoxy. Hot weather will accelerate curing and shorten working time. Cold weather will slow curing, extend working time and require longer time to traffic.

CHEMICAL RESISTANCE* CHART			
Chemical Name	Continuous	Intermittent Exposure	Splash Exposure
Milk	R	R	R
Wine	R	R	R
Ethanol	NR (soft)	R	R
Potassium Permanganate 10%	NR	R	R
Potassium Permanganate 1%	R	R	R
Tannic Acid to 50%	R	R	R
Tartaric Acid to 50%	R	R	R
Phosphoric Acid to 80%	R	R	R
Sulfuric Acid to 20%	R	R	R
Oxalic Acid to 10%	R	R	R
Lactic Acid to 5%	R	R	R
Acetic Acid to 5%	R	R	R
Sodium Hydroxide to 50% Saturated	R	R	R
Benzoic Acid 5%	R	R	R
Distilled Water	R	R	R
Mineral Water	R	R	R
Sea Water	R	R	R
Fruit Juice	R	R	R
Methanol	NR	NR	NR
Mek	NR	NR	NR
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Toluene	NR	NR	NR
Xylene	NR	NR	NR

*Chemical Resistance depends on exposure levels:
 Splash- minor spill wiped up quickly such as in a laboratory.
 Intermittent- exposure to chemicals where clean up takes place several times a day such as in a commercial kitchen.
 Continuous- heavy exposure to chemicals where clean up is less frequent such as in an industrial food plant.
 R=Recommended, NR=Not Recommended. Chemical Resistance determined in accordance with ASTM C267-1982

5. INSTALLATION

Preparation

Before grouting, clean grout joints and the tile surface to remove dust, dirt and other contaminants. Do not leave water standing in joints. Do not clean tiles with acid cleaners. Room temperature must be 60° - 90°F (16° - 32°C).

Mixing

Mix ratio 2 part A + 2 part B + 1 part C. Empty contents of 2 part A pouches plus 2 part B pouches into a clean mixing container. Mix with a Marqin trowel or slow speed drill mixer until liquids are completely blended. Then add contents of 1 pouch part C filler powder and mix to smooth consistency for wider joints add extra part C filler for stuffer grout mix.

Application

After mixing: pour all the mixed material onto the working area. Do not leave the mass of mixed Epoxy in the container since it will get hot and shorten the working time. Use standard epoxy installation and grouting techniques. After installation, wait for tiles to firm (approximately 24 hours) before grouting. Be sure all grout joints are packed full. Remove excess material with grout float. Clean off residue with nylon scrub pad and clean, cool water. Do not leave excess grout on the face of tiles. Perform final cleaning with liquid soap and water within 24 hours after grouting. For additional installation instructions and coverage information refer to Data Sheet 631.5.

6. AVAILABILITY AND COST

Availability

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

Toll Free: (800) 243-4788

Telephone: (203) 393-0015

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

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

LATICRETE International, Inc. warrants LATAPOXY® QG-100 Epoxy Adhesive & Grout is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from the date of purchase subject to the terms and condition stated in Data Sheet 230.13 LATICRETE Product Warranty (see 10. FILING SYSTEM).

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:

Toll Free: (800) 243-4788 ext. 235

Telephone: (203) 393-0015 ext. 235

FAX: (203) 393-1948

Technical and safety literature

To receive data via fax 24 hours 7 days, call:

- (800)359-3297 or (203) 393-0015, ext. 360

- To receive a Material Safety Data Sheet, enter Fax on Demand code **8069**.

10. FILING SYSTEM

Additional product information available upon request:

- D. S. 631.5: How to Install LATAPOXY Grout
(Fax-on-Demand Code 6315)
- D. S. 634.0: LATAPOXY 2000 Industrial Epoxy Grout
(Fax-on-Demand Code 6340)
- D.S. 633.0: LATAPOXY 300 Epoxy Adhesive
(Fax on Demand Code 6330)
- D.S. 230.13: LATICRETE Product Warranty
(Fax on Demand Code 3013)



*Globally proven.
Professionally endorsed.*

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