

LATAPOXY® 2000 Industrial Epoxy Grout



PRODUCT DESCRIPTION

LATAPOXY® 2000 Industrial Epoxy Grout is highly chemical resistant industrial grade epoxy grout for: ceramic tile, pavers, floor brick, packing house tile and stone. LATAPOXY® 2000 Industrial Epoxy Grout is supplied as factory proportioned kits consisting of epoxy resin, hardner, and chemical resistant silica filler.

Application

Use in corrosive environments such as:

Industrial - bakeries, dairies, cheese factories, breweries, CIP rooms, meat packing plants, soft drink plants, confectioneries, canneries, distilleries, pharmaceutical, factories.

Commercial - institutional kitchens, fast food restaurants, cafeterias, laboratories, supermarket

Advantages

- High temperature resistance and steam cleanable
- High resistance to most acids, corrosives and solvents
- Fast curing, ready for traffic in 10 to 12 hours
- Anti-bacterial and anti-fungal
- Water cleanable
- Fast curing
- Cures at low temperature
- Meets USDA & USFDA requirements

Packaging - #2 unit (10 kgs)

Colours: Standard Colors: Grey and black, Custom colors available on request.

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

Limitations

- Maximum chemical resistance is achieved in seven (7) days at 70°F/21°C. Protect from exposure to strong chemicals until fully cured; at colder temperatures it takes longer to achieve full cure.
- Grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When waterproof membrane is required, use LATICRETE® Waterproof Membrane
- Not for use with Bright White or light coloured grouts.

Cautions

- Protect finished work from chemical exposure, dirt and traffic until fully cured.
- Until cured, LATAPOXY® 2000 industrial Epoxy Grout may irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA

Applicable Standards

- ANSI A118.3-1999, ANSI A118.5 - 1999

Performance Properties

EVALUATION PER ANSI A118.3-1999		
TEST	TEST METHOD	RESULT
Water Cleanability	ANSI A118.3-1999 -E5.1	>80 min
Initial Setting Time	ANSI A118.3-1999 -E5.2	>2 hours
Service Setting Time	ANSI A118.3-1999 -E5.2	< 7 days
Shrinkage	ANSI A118.3-1999 -E5.3	0.07%
Sag	ANSI A118.3-1999 -E5.4	No change
Quarry Shear Bonds	ANSI A118.3-1999 -E5.5	1000psi (6.9MPa)*
Compressive Strength	ANSI A118.3-1999 -E5.6	10000 psi (68.9 MPa)
Tensile Strength	ANSI A118.3-1999 -E5.7	2000psi (13.7Mpa)
Thermal Shock	ANSI A118.3-1999 -E5.8	500 psi (3.4MPa)

*=Tile Failed During Test

TEST	TEST METHOD	RESULT
Compressive Strength	ASTM C579	14700 PSI (101 MPa)
Tensile Strength	ASTM C307	2577 PSI (17.7 MPa)
Absorption	ASTM C413	0.16%
Modulus of Rupture	ASTM C580	5300 psi (37 MPa)
Initial Set, Hours	ASTM C308	4
Final Set, Days	ASTM C308	2
Linear Shrinkage	ASTM C531	0.27%
Working Time Minutes	ASTM C308	35
Bond Strength	ASTM C321	Pass*

*=Brick Failed During Test

SERVICE TEMPERATURE RANGE**	
Intermittent Exposure	up to 360°F/182°C
Constant Exposure	up to 185°F/80°C

**Service Temperature Exposure defined as:

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

Constant - where grout is subjected to continuous heat such as under a bakery

Working Properties at 70°F(21°C)

Working Time	35 minutes
Wet Density	1841 kg/m ³

Time to Traffic

CURE TIME			
FLOOR TEMPERATURE	TIME TO LIGHT TRAFFIC*	TIME TO HEAVY TRAFFIC**	FULL CURE***
40°F (4°C)	24 Hours	48 Hours	7 Days
50°F (10°C)	20 Hours	32 Hours	7 Days
60°F (16°C)	16 Hours	24 Hours	7 Days
70°F (21°C)	5 Hours	10 Hours	5 Days
80°F (27°C)	4 Hours	7 Hours	1 Day
90°F (32.2°C)	2 Hours	3 Hours	12 Hours

* Foot Traffic

** Place Equipment

*** Exposure to Chemical and heat

Chemical Resistance Chart (at 70 °F/21 °C)

LATAPOXY 2000 INDUSTRIAL EPOXY GROUT			
Chemical Name	Continuous Exposure	Intermittent Exposure	Splash Exposure
Food Acids			
Lactic to 10 %	R	R	R
Acetic to 10%	R	R	R
Formic to 5 %	R	R	R
Citric to 50%	R	R	R
Tartaric to 50%	R	R	R
Tannic to 50%	R	R	R
Oleic to 100%	R	R	R
Phosphoric to 80%	R	R	R
Mineral Acids			
Hydrofluoric ** 10%	R	R	R
Sulfuric to 0%**	R	R	R
Nitric to 30%**	R	R	R
Hydrochloric to 36.5%	R	R	R
Corrosive Cleaners			
Sodium hypochlorite** (Bleach) 3%	R	R	R
Sodium Hydroxide (Saturated)	R	R	R
Solvents			
Xylene	R	R	R
Ethyl Alcohol	R	R	R
Mineral Spirits	R	R	R
Toluene	R	R	R
Methylene Chloride	NR	NR	NR
Gasoline	R	R	R

*Chemical Resistance defined as:

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 C267-1999.

** Long Exposure will cause color change.

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 starting to grout remove spacers and debris in grout and remove dust and dirt using a damp sponge. Do not leave water standing in joints. Do not clean tiles with acid cleaners. Substrate temperature must be between 45°F(7°C) and 90°F(32°C).

Note: Temperature will effect working properties of LATAPOXY® 2000 Industrial Epoxy Grout. Warm temperatures will speed curing and shorten working time. Cool temperatures will slow curing and require longer time to traffic. Store LATAPOXY® 2000 Industrial Epoxy Grout at 70°F (21°C) for 24 hours prior to use.

Mixing

Pour LATAPOXY® 2000 Industrial Epoxy Grout Part A and Part B into a clean mixing pail and mix thoroughly by hand or with a slow speed mixer (<300 RPM) until liquids are completely blended.

Add LATAPOXY® 2000 Part C Filler Powder and mix until uniformly blended.

Application

Immediately pour entire contents of pail onto a flat surface (Do Not Leave in Pail). 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

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 diagonally across the joints and tile to avoid pulling out the material.

Initial Cleaning: After 30-45 min of the application of the grout scrub the surface of the tile & joint with clean water and scrubber provided to remove any excess grout. Then take a clean thick towel and drag across the tile to remove any residue.

Final Cleaning: within 24 hours do a second cleaning with normal soap detergent to remove any haze from the tile.

AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For distributor information:

Telephone: +91-40-30413100

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e-mail: contact@myklaticrete.com

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e-mail: contact@myklaticrete.com

Website: www.myklaticrete.com

Cost

Contact a LATICRETE® Distributor in your area.

MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with neutral pH soap and water or MYK LATICRETE Clenza series suitable cleaners. All other LATICRETE® and LATAPOXY® materials require no maintenance but proper installation as per instruction.

Performance and durability may depend on properly maintaining of Installed area.

WARRANTY

MYK Laticrete India Pvt Ltd warrants that LATAPOXY® 2000 INDUSTRIAL EPOXY GROUT is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of two (2) years from manufacturing of the product subject to the terms and conditions stated in LATICRETE® Product Warranty.

TECHNICAL SERVICES

Technical assistance

Information is available by calling the MYK LATICRETE

Technical Service at:

Telephone: +91-40-30413100

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