



**MYK LATICRETE**

## LATAPOXY® 2000 Industrial Epoxy Grout



Highly chemical resistant Industrial grade epoxy grout

### Features / Benefits

- Anti-bacterial and Anti-fungal
- High temperature resistance & Steam cleanable
- Water cleanable when fresh
- High resistance to most acids, corrosives and solvents
- Fast Curing, ready for traffic in 12 to 14 hours
- Complies with ANSI A 118.3, EN 13888, standards.
- Water and shock resistant.
- Meets USDA & USFDA requirements.

### Application

Designed for highly corrosive environments. Best for:  
**Industrial** - Bakeries, Dairies, cheese factories, breweries, CIP rooms, meat packing plants, soft drink plants, confectioneries, canneries, distilleries, pharmaceutical factories, mineral water plants.  
**Commercial** - Institutional kitchens, fast food restaurants, cafeterias, meat shops, laboratories, supermarkets.

### Substrates

- Parking tiles
- Vitrified tile
- Paver tiles
- Granite
- Marble
- Metal tiles
- Agglomerates (Engineered Stones)
- Precast Terrazzo tiles & Floor Bricks

### Certification

**ISO 13007 /  
EN 13888**



**ANSI**



## TECHNICAL DATA

Applicable Standards:  
ANSI A118.3; ISO 13007 – 3 (RG) / EN 13888

ANSI Data		
Property / Test Method	Requirement	Typical Values
Water cleanability: ANSI A118.3: Clause 5.1	>80 Minutes	85-110 Minutes
Initial Setting Time: ANSI A118.3: Clause 5.2	>120 Minutes	180 - 240 Minutes
Service Setting Time: ANSI A118.3: Clause 5.2	≤ 7 Days	48 Hours – 72 Hours
Shrinkage after 7 days: ANSI A118.3: Clause 5.3	< 0.25%	< 0.18%
Sag in Vertical Joints: ANSI A118.3: Clause 5.4	No change in shape of joint	Pass. No change in shape of joint
Bond strength to Quarry Tile: ANSI A118.3: Clause 5.5	>1000 psi (6.87 Mpa)	>1150 psi (7.90 Mpa)
Compressive Strength after 7 days: ANSI A118.3: Clause 5.6	>3500 psi (24.06 Mpa)	7500 – 8200 psi (51.56 – 56.37 Mpa)
Tensile Strength after 7 days: ANSI A118.3: Clause 5.7)	>1000 psi (6.87 Mpa)	2500 – 2800 psi (17.18 – 19.25 Mpa)
Thermal Shock ANSI A118.3: Clause 5.8)	>500 psi (3.43 Mpa)	1000 – 1300 psi (7.86 – 8.93 Mpa)

**The grout mortar conforms to ANSI A 118.3**

ISO / EN Data		
Property / Test Method	Requirement	Typical Values
Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 - 2	≤ 250 mm <sup>3</sup>	Pass
Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN	≥ 30 N / mm <sup>2</sup>	42 - 46 N / mm <sup>2</sup>

12808 - 3		
Compressive Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4	≥ 45 N / mm <sup>2</sup>	55 – 57 N / mm <sup>2</sup>
Shrinkage: ISO 13007 – 4: Clause 4.3 : EN 12808 – 4	< 1.5mm / m	0.3 – 0.5 mm / m
Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤0.1 g	0.015 – 0.030 g
Chemical Resistance	See Chemical resistance chart	

**The grout mortar conforms to ISO 13007 – 4 (RG) / EN 13888.**

### Packaging:

LATAPOXY® 2000, is a factory proportioned kit with Resin (Part A), Hardener (Part B), and colored filler powder (Part C).

### Unit                      Net weight

Double unit            10.0 kg

### Colour:

Standard Colours: Grey & Black. Special colours available on request.

### Coverage:

*Please refer the coverage chart as it depends on the tile size, joint width and depth.*

### Working Properties at 70° F (21° C)

Working properties:	
Pot life	40 minutes
Foot traffic	12 hours
Heavy traffic	48 hours

## CHEMICAL RESISTANCE CHARTS: At 23° C

Acid Based Chemicals				
Chemical	Concentration	PE	IE	SE
Acetic Acid	2.5%	VG	VG	VG
	5%	VG	VG	VG
	10%	G	VG	VG
• HCL	36.5%	G	VG	VG
• H2SO4	20%	VG	VG	VG
	50%	G	VG	VG
• Formic Acid	2.5%	VG	VG	VG
	10%	P	G	G
Phosphoric acid	10%	VG	VG	VG
	75%	G	G	VG
Nitric Acid	30%	G	G	VG
Citric Acid	50%	VG	VG	VG
Tartaric Acid	50%	VG	VG	VG
Tannic Acid	50%	VG	VG	VG
Benzoic Acid	5%	VG	VG	VG
Oxalic Acid	10%	VG	VG	VG
Lactic Acid	10%	G	VG	VG

PE: Prolonged Exposure; IE: Intermittent Exposure; SE: Splash Exposure; P: Poor; G: Good; VG: Very Good;

- Long exposure will cause colour change

Base and Salt Solutions				
Chemical	Concentration	PE	IE	SE
Sodium Hydroxide	50%	VG	VG	VG
Ammonia Solution	25%	VG	VG	VG
Baking Soda	20%	VG	VG	VG
• Hypochlorite Solution	3%	G	VG	VG
• Potassium Permanganate	1%	VG	VG	VG
	10%	P	G	VG
Calcium Chloride	10%	VG	VG	VG
Hydrogen Peroxide	1%	VG	VG	VG
	10%	VG	VG	VG
	25%	VG	VG	VG

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Household / Food Stuff Solutions				
Chemical	Concentration	PE	IE	SE
Coffee	NA	VG	VG	VG
Milk	NA	VG	VG	VG

Vinegar	NA	VG	VG	VG
Citrus Juice / Sauce	NA	G	VG	VG
Butter	NA	VG	VG	VG
Beer	NA	VG	VG	VG
Sugar / Glucose	NA	VG	VG	VG
Vegetable Oil	NA	VG	VG	VG
Coke	NA	VG	VG	VG

PE: Prolonged Exposure; IE: Intermittent Exposure; SE: Splash Exposure; P: Poor; G: Good; VG: Very Good;

NA: Not Applicable

Solvents & Combustible Solutions				
Chemical	Concentration	PE	IE	SE
• Ethanol	NA	P	VG	VG
Acetone	NA	P	G	VG
Ethylene Glycol	NA	VG	VG	VG
MEK	NA	P	G	VG
Glycerol	NA	VG	VG	VG
Gasoline	NA	VG	VG	VG
Chloroform	NA	P	P	G
Carbon Tetra Chloride	NA	P	G	VG
Methylene Chloride	NA	P	P	P
Toluene	NA	G	G	VG
Mineral Spirits	NA	VG	VG	VG
Xylene	NA	G	G	VG
Butyl Acetate	NA	G	G	VG

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## INSTALLATION

### Important site Checks: Notes to the specifiers:

- It is recommended to check the colour of the grout, if it is meeting the desired colour of the client
- It is recommended to do a small area with actual tile/stone at site and check for any colour ingress into the tile/stone. Many tiles / stones have high absorption which may lead to discoloration / colour marks.
- Plan to provide proper movement joints, peripheral joints as per EJ 171 to accommodate movements in tile/stone and use flexible grout / sealant to fill these movement joints.
- LATAPOXY 2000 is a solid epoxy grout and does not accommodate movements in

tile/stone that can occur due to various reasons. Movements which occur in the tile/stone area due to non provision of movement joints will lead to cracks / breakage of grout joints / tile/ stone.

- *Keep the working area covered and protected from Sun light while application of LATAPOXY® 2000, Industrial epoxy grout, is applied in open areas like swimming pools etc. Keep the cover for 7 days and till the filling of pools with water after the completion of grouting with LATAPOXY® 2000, Industrial epoxy grout.*

#### **Surface Preparation:**

Before starting to grout, remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. In case acid cleaners were used to clean the tiles, ensure to wash the area with plenty of water before commencing grouting. Substrate temperature must be between 60° F (16° C) and 90° F (32° C).

#### **Mixing**

Empty entire contents of LATAPOXY® 2000, Industrial epoxy Grout Part "A" and Part "B" container into a clean mixing pail. Mix with a margin trowel or a slow speed drill mixer until liquids are completely blended. Add at least ¾ of LATAPOXY® 2000 Part "C" Filler Powder and mix to a uniform consistency. Add the remaining filler powder and mix to achieve a stiff mix to work into the joints.

Immediately pour entire contents of bucket onto working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work with LATAPOXY® 2000 Grout into tile joints. LATAPOXY® 2000 Grout can also be applied with a caulking gun. Be sure all grout joints are packed full with Latapoxy 2000. Remove as much excess material as possible before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

#### **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 white 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

\* Contact MYK LATICRETE technical services for large format tile or stone installations on exterior surfaces.

#### **Application:**

#### **Shelf Life**

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >50°F (10°C) and <95°F (35°C) under shed, away from direct sunlight.

#### **Limitations**

- Light colors may darken slightly from direct UV exposure.

Consult with Technical Services for specific exterior grouting recommendations.

- Maximum stain resistance is achieved 7 days after installation. Protect from exposure to acids and strong cleaners during this period.

- Not recommended for 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 LATICRETE® **Hydro ban** / 9237 Waterproof Membrane.

#### **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.

## Customer Care

### **MYK LATICRETE India Pvt Ltd.**

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