



Globally Proven
Construction Solutions

LATAPOXY® 2000 Industrial Epoxy Grout

LATAPOXY® 2000 Industrial Epoxy Grout is a 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, hardener, and silica filler.



ADVANTAGES

- High chemical resistance
- Improved temperature resistance
- Maximum physical strength
- Equipped with anti-microbial technology
- Highly resistant to bacteria attack
- Water cleanable
- Fast curing
- Cures at low temperature

MANUFACTURER

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USES

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, veterinary hospitals, clinics and kennels.

Commercial—institutional kitchens, fast food restaurants, cafeterias, laboratories, supermarkets

STANDARDS / APPROVALS

Applicable Standards:

ANSI A118.3, ANSI A118.5 (Furan), ISO 13007 – 1RG



**Product Conformity
Certification.**



**Nonfood Compounds
Registration Program**



**VOC/LEED
Product Information**

Pail Kit (Complete #2 Unit)**Gross Weight 11.8 kg**

Net weight: 10.8 Kg

(Part A /0.385KG X 2, Part B /1.02KG X 2, Part C /4 KG X 2)

Pallet: 36 Pails Per Pallet

Colors: LATAPOXY® 2000 PART C Filler Powder best used with the following grout colors:

- 22 Midnight Black
- 24 Natural Grey

Custom colors available on request.



Scan the QR code to see an online color chart.

Shelf Life

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

Approximate Coverage

(Per #2 Unit in Sqm.)

Tile Size	2mm	3mm	4mm	5mm
200 x 200 x 8 mm	41.30	27.70	21.00	16.90
300 x 300 x 8 mm	61.60	41.30	31.30	25.00
400 x 400 x 9 mm	72.90	48.80	36.70	29.50
600 x 600 x 9 mm	72.90	48.80	36.70	29.50
600 x 900 x 10 mm	98.10	65.60	49.30	30.50

Note: Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Add 10% for waste, spillage, and clean-up, and another 10%–15% when grouting unglazed quarry tile. See Grout and Sealant color chart for additional coverage information.

Limitations

- Maximum chemical resistance is achieved in seven (7) days at 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 waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEM).
- Please consult with LATICRETE Technical Services for specific recommendations, if grout

will be exposed to chemicals other than those indicated on the chemical resistant chart.

- Not for use with color #44 Bright White in exterior condition - Contact our technical service

Cautions

Consult MSDS for more safety information.

- 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. Avoid breathing dust. Wear a respirator in dusty areas.
- Because propane gas heaters will cause epoxy grouts to yellow, refrain from using such heaters or properly vent all exhaust.
- Keep out of reach of children

TECHNICAL DATA**Certifications/ Approvals**

DCLD: This product has been certified for Low Emitting Materials by Dubai Central Laboratory Department (DCLD) of Dubai Municipality. No.CL20020733: 2017 Al Sa'fat Dubai Green Building Evaluation System.

GREENGUARD: 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

NSF: Registration #143530 - NSF Registration assures inspection officials and end users that formulation and labels meet appropriate food safety regulation. NSF International launched its voluntary Non-food Compounds Registration Program in 1999 to re-introduce the previous authorization program administered by the U.S. Department of Agriculture (USDA)

Performance Properties

EVALUATION PER ANSI A118.3-1999		
PROPERTY	VALUE	
TEST/ NO.	EVALUATIO	REQUIREMENT
Water Cleanability (E5.1)	Pass	80 min.
Initial Setting Time (E5.2)	Pass	> 2.0 hrs.
Service Setting Time (E5.2)	Pass	< 7 days
Shrinkage (E5.3)	0.07%	< 0.25%
Sag (E5.4)	Pass	no change
Quarry Shear Bonds (E5.5)	6.9MPa*	> 6.9 MPa
Compressive Strength (E5.6)	107 MPa	> 24 MPa
Tensile Strength (E5.7)	18MPa	> 6.9 MPa
Thermal Shock (E5.8)	3.4MPa	> 3.4 MPa

* Tile Failed During Test TCA-061-93

EVALUATION PER ANSI A118.5-1999			
Property	Test Method	Evaluation	Grout Requirement Silica
Compressive Strength	ASTM C579	101MPa	21 MPa
Tensile Strength	ASTM C307	17.7 MPa	2.75 MPa
Absorption	ASTM C413	0.16%	Max. 1%
Modulus of Rupture	ASTM C580	37 MPa	4.1 MPa
Initial Set, Hours	ASTM C308	4	Max 5
Final Set, Days	ASTM C308	2	Max 7
Linear Shrinkage	ASTM C531	0.27%	Max. 1%
Working Time Minutes	ASTM C308	35	Min. 10
Bond Strength	ASTM C321	Pass*	1 MPa

*Brick Failed During Test TCA-089-13

SERVICE TEMPERATURE RANGE***	
Intermittent Exposure	up to 182°C
Constant Exposure	up to 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 oven.

Working Properties (21°C)

Working Time	35 minutes
Wet Density	1800 kg/m ³

Time to Traffic

CURE TIME			
Floor temperature	Time to light traffic [^]	Time to heavy traffic ^{^^}	Full cure ^{^^^}
4°C	24 Hours	48 Hours	7 Days
10°C	20 Hours	32 Hours	7 Days
16°C	16 Hours	24 Hours	7 Days
21°C	5 Hours	10 Hours	5 Days
27°C	4 Hours	7 Hours	1 Day
32.2°C	2 Hours	3 Hours	12 Hours

[^] Foot Traffic | ^{^^} Place Equipment | ^{^^^} Exposure to Chemical and Heat

[†] Chemical Resistance defined as:

Chemical Resistance* Chart			
Chemical Name	Continuous Exposure	Intermittent Exposure	Splash
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 acid** 10%	R	R	R
Sulfuric to 50%**	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

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.

² 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

Refer to LATAPOXY® 2000 INDUSTRIAL EPOXY GROUT How to Install Guide DS 004.5.me for more information.

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 7°C and 32°C.

Note: Temperature will affect working properties of LATAPOXY® 2000 Industrial 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 Grout at 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. Ensure 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. Clean using a white nylon pad and plenty of cool, clean water. For detailed application instructions and coverage information refer to Data Sheet 631.5 Intl.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact us by email at: enquiry@laticrete.me or, visit www.laticrete.me

Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information

MAINTENANCE

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

TECHNICAL SERVICES

Technical assistance

For information contact us by email at: enquiry@laticrete.me

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.me

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.
