# 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
- Exceeds ANSI 118.3 (Epoxy) and ANSI 118.5 (Furan) performance requirements
- Water cleanable
- Fast curing
- Cures at low temperature

## 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

## MANUFACTURER

LATICRETE Middle East LLC.
P.O. Box. 86028, Ras Al Khaimah
United Arab Emirates
Telephone: + 971 7 244 6396
Fax: + 971 7 244 5915
Internet: www.laticrete.me

## PACKAGING / COLOR

**Pail Kit (Complete Unit) Gross Weight 11.8 kg**
36 Pails Per Pallet
Net weight: 10.8 Kg
(Part A /0.385KG X 2, Part B /1.02KG X 2, Part C /4 KG X 2)
**Colors:** LATAPOXY 2000 PART C Filler Powder
best used with the following grout colors: 22, 24, 35, 46. 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 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 LATICRETE MEA 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

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.

Applicable Standards
ANSI A118.3, ANSI A118.5 (American)

Performance Properties

Registration #140541
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).

<table>
<thead>
<tr>
<th>EVALUATION PER ANSI A118.3–1999</th>
<th>EVALUATION PER ANSI A118.5–1999</th>
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<tbody>
<tr>
<td>Property</td>
<td>Test Method</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ASTM C337</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM C467</td>
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<tr>
<td>Absorption</td>
<td>ASTM C413</td>
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<tr>
<td>Modulus of Rupture</td>
<td>ASTM C580</td>
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<tr>
<td>Initial Set, Hours</td>
<td>ASTM C305</td>
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<tr>
<td>Final Set, Days</td>
<td>ASTM C306</td>
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<tr>
<td>Linear Shrinkage</td>
<td>ASTM C351</td>
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<tr>
<td>Working Time</td>
<td>ASTM C308</td>
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<tr>
<td>Bond Strength</td>
<td>ASTM C321</td>
</tr>
<tr>
<td><strong>Brick Failed During Test TCA-069-13</strong></td>
<td></td>
</tr>
</tbody>
</table>

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)

| Wet Density                   | 1800 kg/m³ |
| Working Time                  | 35 minutes  |
Time to Traffic

* Foot Traffic | ** Place Equipment | *** Exposure to Chemical and Heat

<table>
<thead>
<tr>
<th>CURE TIME</th>
<th>TIME TO LIGHT TRAFFIC*</th>
<th>TIME TO HEAVY TRAFFIC**</th>
<th>FULL CURE***</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOOR TEMPERATURE</td>
<td>4°C</td>
<td>24 Hours</td>
<td>48 Hours</td>
</tr>
<tr>
<td></td>
<td>10°C</td>
<td>20 Hours</td>
<td>32 Hours</td>
</tr>
<tr>
<td></td>
<td>16°C</td>
<td>16 Hours</td>
<td>24 Hours</td>
</tr>
<tr>
<td></td>
<td>21°C</td>
<td>5 Hours</td>
<td>10 Hours</td>
</tr>
<tr>
<td></td>
<td>27°C</td>
<td>4 Hours</td>
<td>7 Hours</td>
</tr>
<tr>
<td></td>
<td>32.2°C</td>
<td>2 Hours</td>
<td>3 Hours</td>
</tr>
</tbody>
</table>

Chemical Resistance* Chart

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%** 36.5% R R R
- Hydrochloric to** R R R

Corrosive Cleaners
- Sodium Hypochlorite** 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

INSTALLATION

Refer to LATAPoxy® 2000 INDUSTRIAL EPOXY GROUT
How to Install Guide DS 004.5 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 932°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. 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. 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 LATICRETE Telephone: For on-line distributor information, visit www.laticrete.com

Cost

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

WARRANTY

See 10. FILING SYSTEM
DS 230.1: LATICRETE Product Warranty
A component of:
DS 230.10: LATICRETE 10 Year System Warranty
MAINTENANCE
LATICRETE® and LATAPOXY® grouts require routine cleaning with a neutral pH soap and water. Contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the grout. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

TECHNICAL SERVICES
Technical assistance
For information contact:
enquiry@laticrete.me

Technical and safety literature
To obtain technical and safety literature, please visit our website at www.laticrete.com