



**For the Builders  
of a Better World™**

## LATAPOXY® 380

LATAPOXY 380 is a pure epoxy resin and binder designed for tiles and stones installations. It acts as a thin-set adhesive application of not more than 3mm, a primer for stones with netting and a binder for pebbles (pebble wash), and also applicable for bonding to existing finishes for repairing of tiling works. LATAPOXY 380 can be used in interior and exterior walls and floor, wet and dry areas. (see limitation)



### FEATURES/BENEFITS

- High Bond Strength
- Economical
- Ideal for resin backed tile, mosaics, stone, and agglomerates.
- Non-staining on white and light-colored marble
- Water Cleanable
- Easy to Use
- Mild Chemical Resistance

### USES

- Epoxy primer for stones with netting
- Thin adhesive applicable to tiles and stones (<3mm)
- Epoxy resin and binder for pebble wash Installation

### MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd  
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Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com](http://se.laticrete.com)

### STANDARDS/CERTIFICATIONS

ISO 13007

### Suitable Substrates

- Concrete
- Exterior glue plywood\*
- Concrete masonry
- Brick masonry
- Steel
- Vinyl or other resilient tile\*
- Cement mortar beds
- Gypsum wallboard\*
- Cement plaster
- Cement terrazzo
- Plastic laminate\*
- Existing ceramic tile and stone
- Cement backer board\*\*
- Pebbles

\* Interior application only.

\*\*Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

### Packaging

Part A = 5kg

Part B = 10kg

### Approximate Coverage

A set of LATAPOXY 380 can cover approximately 40 to 45m<sup>2</sup> per coat as a vinyl adhesive and primer coat for stone with netting.

A set of LATAPOXY 380 can cover approximately 15m<sup>2</sup> as a pebble wash binder.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year, at temperatures  $\geq 0^{\circ}\text{C}$  to  $\leq 40^{\circ}\text{C}$ .

### Limitations

- Not for use as a grout. Use SpectraLOCK PRO Grout.
- Use LATAPOXY 300 Adhesive when chemical resistance is required.
- Do not install when surface temperature is below  $5^{\circ}\text{C}$  or above  $40^{\circ}\text{C}$ .
- Adhesives for ceramic tile and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.
- Consult LATICRETE Technical Services on limitations for exterior installations.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed  $L/360$  for thin bed ceramic tile/brick installations or  $L/480$  for thin bed stone installations where  $L$ =span length.
- Not applicable for water immersion

### Cautions

Consult MSDS for more safety information.

- During cold weather, protect finished work from traffic until fully cured.
- Until cured, LATAPOXY 380 may irritate eyes and skin.
- Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Wait 14 days after the final grouting period before filing water features with water at  $70^{\circ}\text{F}$  ( $21^{\circ}\text{C}$ ).
- Use white mortar for white or light-colored marble and stone.
- Contains silica sand. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- DO NOT bond to particle board, luan, Masonite® or hardwood surfaces.
- Keep out of reach of children.

### TECHNICAL DATA

Applicable Standard - EN 12003

#### Performance Properties

Test	Test Method	Results
Shear Adhesion Strength	ISO 13007	$\geq 15 \text{ N/mm}^2$
Shear Adhesion Strength after Water Immersion	ISO 13007	$\geq 10 \text{ N/mm}^2$
Shear Adhesion After Thermal Shock	ISO 13007	$\geq 12 \text{ N/mm}^2$

#### Working Properties @ $25^{\circ}\text{C}$

Pot Life	~35 Minutes
Open Time	~45 Minutes
Time To Traffic	~24 hours

Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions

### INSTALLATION

#### Surface Preparation

All surfaces should be between  $5^{\circ}\text{C}$  and  $40^{\circ}\text{C}$  and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with LATICRETE Latex Portland Cement Underlayment to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs must be damp cured and at least 7 days old prior to application. All slabs must be plumb and true to within 6mm in 3m. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI specification A108.01-3.7 "Requirements for Movement Joints: Preparations by Other Trades" or TCNA detail EJ-171 "Movement Joints—vertical & horizontal". Do not cover expansion joints with mortar. Note: Temperature will effect working properties of LATAPOXY 380 Epoxy. Warm temperatures will speed curing and shorten working time. Cool temperatures will slow curing and require longer time to traffic.

1. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of  $L/360$  for ceramic tile and brick or  $L/480$  for stone installations where  $L$ =span length;
2. Minimum construction for interior plywood floors  
**SUBFLOOR:** 15mm thick exterior grade plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 400mm o.c. maximum; fasten plywood 150mm o.c. along sheet ends and 200mm o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 3mm between sheet ends and 6mm between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive;  
**UNDERLAYMENT:** 15mm thick exterior grade plywood fastened 150mm o.c. along sheet ends and 200mm o.c. in the panel field (both directions) with 8d ring shank, coated or hot dip galvanized nails (or screws); allow 3mm to 6mm between sheets and 6mm between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Requirements for Direct Bonding of Ceramic or Stone Tiles Over Wood Floors" for complete details.
3. **DO NOT** bond to particles board, luan, Masonite® or hardwood surfaces.

### Mixing

Pour 1 component Part A and 2 component Part B of LATAPOXY 380 into a clean mixing pail and mix thoroughly with a margin trowel or slow speed drill mixer ( $\leq 300$ RPM) completely blending all of the liquid from the sides and the bottom of the pail. Mix thoroughly for 1-2 minutes for a smooth creamy mix with no clumps (no water/solvent should be added to the mix). Repot to ensure there is no residue stuck at the bottom of the pail.

### Application

#### Pebble wash

Apply LATAPOXY 380 as a primer (0.3mm - 0.5mm) using a paint brush or roller. Ensure primer is absorbed into the substrate and is evenly leveled.

Pour pebbles into a mixing pail and ensure that the pebbles are dry and dustless. Pour the already mixed LATAPOXY 380 into the pail with the pebbles and mix well for at least 3 minutes. Ensure pebbles are all mixed evenly with the mixture.

Pour the mixture onto the substrates and compact with wooden/steel trowel.

#### Vinyl Flooring

Prepare the subfloor so that it is even, clean and free of all contaminants (see Surface Preparation). Apply LATAPOXY 380

(0.5mm - 1.0mm) on subfloor evenly using a paint brush or roller. Lay the vinyl flooring on top of the subfloor and level it within 30 minutes.

Vinyl flooring should be left for at least 24 hours after application to ensure that Latapoxy 380 has fully cured.

### Cleaning

Clean tools and tile work with water while mortar is fresh.

### AVAILABILITY AND COST

#### Availability

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

**Telephone:** (65) 6515-3028

**Fax:** (65) 6515-3037

For on-line distributor information, visit LATICRETE at [se.laticrete.com](http://se.laticrete.com)

#### Cost

Contact a LATICRETE Distributor in your area.

### WARRANTY

LATICRETE International warrants LATAPOXY 380 is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to terms and conditions.

### 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.

### TECHNICAL SERVICES/ CONTACT

#### Technical Assistance

Information is available by calling:

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No. 38 Sungei Kadut Street 2

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Telephone: (65) 6515-3028

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Email: [enquiry@laticrete.com.sg](mailto:enquiry@laticrete.com.sg)

#### Technical and safety literature

To acquire technical and safety literature, please visit our website at [se.laticrete.com](http://se.laticrete.com)

#### Disclaimer

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at [se.laticrete.com](http://se.laticrete.com).