

### 1. PRODUCT NAME

LATICRETE® 101 Rapid Set Latex Admix

### 2. MANUFACTURER

LATICRETE Pty Ltd  
 464 Geelong Road,  
 Footscray West. VIC. 3012.  
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### 3. PRODUCT DESCRIPTION

LATICRETE 101 Rapid Set Latex Admix is a rapid setting, latex admixture for thin set mortars, cement grouts and cement mortar beds. Is particularly suited to use with natural stone, terrazzo, engineered tiles and agglomerates. When mixed with LATICRETE Super 317 Thin-Set Adhesive meets and exceeds the requirements as a C2TFS1 adhesive.

#### Uses

Specially formulated for fast set. Allows setting and grouting same day. For interior and exterior installations of all types of ceramic tile, brick, and natural stone.

#### Advantages

- Fast Setting
- Shock Resistant
- Non-Flammable
- Locks in Grout Color
- Ready for foot traffic in 6 hours
- Fast Setting in any Temperature
- Install Tile and Grout in less than 2 Hours
- Fast, easy mortar and grout cleanup
- Meets ANSI 28-day strength in one day
- Minimizes damage from other trades in unprotected traffic areas
- Frost Proof
- Non-Toxic
- Water Cleanable
- High Bond Strength
- Wall and Floor use

#### Suitable Substrates

- Concrete
- Ceramic Tile and Stones
- Concrete Masonry
- Brick Masonry
- Exterior Grade Plywood (Interior Only)
- Gypsum Wallboard (Interior Only)
- Cement Mortar Beds
- Cement Backer Board\*
- Cement Plaster
- Cement Terrazzo

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

#### Packaging

20 litre Pail, 48 per pallet

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >0°C and <43°C.

#### Limitations

- Use LATAPOXY® 300 Epoxy Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Use a white thin set mortar when installing white or light colored natural stones.
- 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 a LATICRETE Waterproof Membrane.
- 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.

#### Cautions

- During cold weather, protect finished work from traffic until fully cured.
- Keep out of reach of children.

### 4. TECHNICAL DATA

#### Applicable Standard

- LATICRETE® mortars meet and exceed bond strength and water resistant requirements of:
- Australian Standard AS4992.2
- British Standard code of Practice CP212; 1972
- British Standard BS5980; 1980
- U.S. Standard ANSI 118.4-1999, A118.11-1999, CTI - 64.

#### Performance Properties

LATICRETE 101 Rapid Set Latex Admix Mixed with LATICRETE Super 317 Thin-Set Adhesive.

Test/Test Method	Results
Tensile Adhesion 28 day Strength EN1348	3.02 MPa
Tensile Adhesion Strength after water immersion to EN1348	1.2 MPa
Tensile Adhesion Strength after heat aging to EN1348	3.03 MPa
Tensile Adhesion Strength after freeze thaw to EN1348	1.35 MPa
Open Time Tensile Adhesion to EN1346	2.89 MPa
Transverse Deformation to EN12002	3.99mm

#### Working Properties

LATICRETE 101 Rapid Set Latex Admix Mixed with LATICRETE Super 317 Thin-Set Adhesive

Open Time 21°C	15 minutes
Open Time 4°C	20 minutes
Pot Life 21°C	1 hour
Pot Life 4°C	1.5 hours
Time to Foot Traffic 21°C	6 hours
Time to Heavy Traffic 21°C	10 hours

Time to Foot Traffic 7°C	10 hours
Time to Heavy Traffic 7°C	24 hours
Wet Density	1850 kg/m <sup>3</sup>

*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.*

## 5. INSTALLATION

### Surface Preparation

All surfaces should be between 4°C and 32°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. Note: Latex Portland Cement Mortars do not require a minimum cure time for concrete slabs. 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 Australian Standards or engineers details. Do not cover expansion joints with mortar.

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. **DO NOT** bond to particle board, luan, Masonite® or hardwood surfaces. **For moisture sensitive marbles, stones, agglomerates and green marbles use LATAPOXY® 300 Epoxy Adhesive, refer to Data Sheet 633.0.**

**Mixing- Stir LATICRETE 101 Rapid Set Latex Admix thoroughly before use.**

**As a mortar bed additive** - Use approximately 2.2 litres of LATICRETE 101 Rapid Set Latex Admix to 20 kg of LATICRETE 226 Thick Bed Mortar. Add LATICRETE 226 Thick Bed Mortar to LATICRETE 101 Rapid Set Latex Admix and mix slowly. Adjust mixture to produce a semi-dry consistency.

**As a thin-set additive** - Use approximately 5.7 litres of LATICRETE 101 Rapid Set Latex Admix to 20 kg of LATICRETE Thin-Set Mortar. Place LATICRETE 101 Rapid Set Latex Admix in a clean plastic pail. Do not dilute. Add LATICRETE Thin-Set mortar to LATICRETE 101 Rapid Set Latex Admix and mix to a smooth, trowelable consistency. Allow mortar to slake for 2-3 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

**As a grout additive** - Use approximately 3.6 litres of LATICRETE 101 (diluted 1:1 with clean water) to 20 kg of LATICRETE Sanded Grout. Add LATICRETE Sanded Grout to the diluted LATICRETE 101 Rapid Set Latex Admix and mix to a smooth, stiff consistency. **Note:** Not recommended for white grouts.

### Application

**Mortar Bed** - Before placing mortar, apply a slurry bond coat made from LATICRETE 101 Rapid Set Latex Admix mixed with LATICRETE 211 Crete Filler Powder or pure Portland cement. While the slurry bond coat is wet spread the mortar and compact well. If placing tile immediately, apply a slurry bond coat, made from LATICRETE 4237 Latex Thin-Set Mortar Additive mixed with LATICRETE 211 Crete Filler

Powder, to the mortar. While the slurry bond coat is wet and sticky, place the tile and beat in well.

**Thin-Set Mortar** - Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side. Note: Use the proper sized notched trowel to insure full bedding of the tile. Spread as much mortar as can be covered with tile in 15-20 minutes. . Back butter large tiles >200mm x 200mm to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile. If mortar is skinned over (not sticky), remove and replace with fresh mortar.

**Grout** - Before starting to grout remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Apply grout release or sealer if necessary. Refer to LATICRETE Grout Trouble Shooting Guide for more information on grouting.

Grout installation after a minimum of 4 hours curing time at 21°C. Dampen tile surface with water. 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 Mortar** - Clean tools and tile work with water while mortar is fresh.

**Grout Primary 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.

**Grout Secondary Cleaning** - Remove remaining grout with a damp sponge (**not wet**) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water. **Note:** Use caution when polishing soft glazed tiles or polished stone.

**Cold Weather Note:** The setting of Portland cement mortars and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. For faster setting mortar use LATICRETE 101 Rapid Set Latex Admix. Do not set tile when surface temperature is below freezing or when substrate is frozen.

**Hot Weather Note:** The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work when installing in temperatures over 35°C.

## 6. AVAILABILITY AND COST

### Availability

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

Toll Free: 1800331012

Telephone: 03 99336111

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

Queensland Office;  
29 Telford Street,  
Virginia. QLD. 4014  
Telephone; 07 38651599  
Fax: 0738652250

### Cost

Contact a LATICRETE Distributor in your area.

## **7. WARRANTY**

LATICRETE warrants that LATICRETE 101 Rapid Set Latex Thin-Set Mortar & Grout Additive is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of seven (7) years from date of purchase subject to the terms and conditions stated in Data Sheet 230.7Paus LATICRETE Product Warranty. In addition, when used as a component of a LATICRETE System Installation, LATICRETE 101 Rapid Set Latex Thin-Set Mortar & Grout Additive is warranted for a period of ten (10) years from the date of purchase subject to the terms and conditions stated in Data Sheet 230.10Saus LATICRETE System Warranty.

## **8. 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.