



## LATICRETE® 307 Floor and Wall Thin Set Adhesive



### PRODUCT DESCRIPTION

LATICRETE 307 Floor and Wall Thin Set adhesive is a bagged cementitious powder to be mixed with either water or latex admixtures for installing ceramic tile and natural stone using the thin-set method of installation.

### Application

Designed for floors and walls and interior applications.

### Advantages

- Can be used for interior applications on floors and walls over masonry, concrete, mortar beds and cement plaster

### Suitable Substrates

- Cement Mortar Beds
- Ceramic Tile and Stones\*\*
- Cement Plaster
- Brick Masonry
- Cement Terrazzo

\*\*When mixed with LATICRETE 73 Mortar Admixture.

### Packaging

20 kgs bag

**Colours:** Grey

### Coverage

Approx 55 - 60 ft<sup>2</sup> per 20 kg bag with 1/4" x 1/4" (6mm x 6 mm) square notch trowel

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area.

High humidity will reduce the shelf life of bagged product

### Limitations

- Use LATAPOXY ® 300 Epoxy Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers brick and stone are not designed as 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

- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Protect finished work from traffic or damage by other trades for an extended period of time during cold weather conditions. At room temperature conditions 70°F (20°C), protect overnight.
- Keep out of reach of children.

### TECHNICAL DATA

#### Applicable Standard

ANSI A 118.1 - 1999

#### Performance Properties

Laticrete 307 Floor and Wall thinset adhesive mixed with Water

Test	Test Method	Results
Shear Bond Porcelain Tile 28 day cure	ANSI A 118.1	240 psi (1.6 Mpa)
Shear Bond Porcelain Tile Water immersion	ANSI A118.1-1999; C-5.2.3	150 psi (1.0 Mpa)

Compressive strength	ANSI A118.4-1999; F-1 (modified)	2200 psi (15.1 Mpa)
----------------------	----------------------------------	---------------------

### **Working Properties**

LATICRETE 307 when mixed with water (70 °F(21° C)

Open Time	20 minutes
Pot Life	3 – 4 hours
Time to Heavy Traffic	24 hours
Wet Density	1890 kg/m3

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**

### **Surface Preparation**

All surfaces should be between 40° F(4° C) and 90° F(32° C) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, laitance, 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 shall be damp cured and 28 days old before application. \*No minimum cure time for concrete slabs when thin-set mortar is mixed with latex additive. All slabs must be plumb and true to within ¼”(6mm) in 10 ft(3m). Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 “Requirements for Expansion Joints” or TCA Detail EJ171 “Expansion Joints”. Do not cover expansion joints with adhesive.

### **Mixing**

#### **Stir LATICRETE admix thoroughly before use.**

Place clean, potable water or a LATICRETE latex admix into a clean pail. Add LATICRETE 307 powder. Use approximately 6L of water for 20 kg of powder.

Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow adhesive to slake for 5-10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

### **Application**

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional adhesive with the notched side. Use the proper sized notched trowel to insure full bedding of the tile. Spread as much adhesive as can be covered with tile in 10 minutes. Back butter large tiles (> 12”x12”) to provide full bedding and firm support. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive

transfer onto back of tile. If adhesive is skinned over (not sticky), remove and replace with fresh adhesive.

### **Grouting**

Grout installation after a minimum of 24 hours curing time at 70° F(21° C). Grout with LATICRETE Sanded or Unsanded Grout mixed with LATICRETE 282 Grout Admix . For maximum stain resistance use LATAPOXY SP-100 Stainfree Grout.

**Cold Weather Note:** The setting of Portland cement adhesives and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. For faster setting adhesive use LATICRETE 73 Rapid admix with LATICRETE 111 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 adhesives and grouts is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread adhesive and finished work when installing in temperatures over 95°F (35°C).

### **Cleaning**

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

## **AVAILABILITY AND COST**

### **Availability**

LATICRETE and LATAPOXY ® materials are available worldwide.

For distributor information:

Telephone: +91-40-30413100

FAX: +91-40-23378784

e-mail: [contact@myklaticrete.com](mailto:contact@myklaticrete.com)

### **Cost**

Contact a LATICRETE Distributor in your area.

## **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.

## **WARRANTY**

MYK LATICRETE India Pvt Ltd warrants that LATICRETE ® 307 Floor and Wall Thin-Set adhesive 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 the terms and conditions stated in LATICRETE Product Warranty

## **TECHNICAL SERVICES**

### **Technical assistance**

Information is available by calling the LATICRETE Technical Service at:

Telephone: +91-40-30413100

FAX: +91-40-23378784

e-mail: [contact@myklaticrete.com](mailto:contact@myklaticrete.com)

**MYK LATICRETE India Pvt. Ltd.**

6-3-569/2, First Floor, Kamadhenu Complex

Rockdale Compound, Somajiguda

Hyderabad – 500082, (A.P)

Telephone: +91-40-30413100

FAX: +91-40-23378784

e-mail: : [contact@myklaticrete.com](mailto:contact@myklaticrete.com)

Website: [www.myklaticrete.com](http://www.myklaticrete.com)