



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 kg bag

Colours: Grey and white

Coverage:

Approx 55 - 60 sft per 20 kg bag with 1/4" x 1/4"
(6mm x 6 mm) square notch trowel

Coverage will vary depending on trowel notch size, type and size of tile and substrate

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® 9237 / Hydroban 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; EN 12004, ISO 13007

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- 1999;F-5.2	240 psi (1.7 MPa)
Shear Bond Porcelain Tile Water immersion	ANSI A118.1- 1999; C-5.2.3	150 psi (1.0 MPa)

Complies to EN & ISO: C1T

Working Properties at 70 °F(21 °C)

LATICRETE® 307 Floor and Wall Thinset Adhesive when mixed with water

Open Time	Approx 15 minutes
Pot Life	Approx 4 hours

Time to Heavy Traffic	24 hours
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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 LATICRETE® latex admix into a clean pail. Add LATICRETE® 307 powder. Use approximately 5 to 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. It is recommended to use spacers to create joints between tiles and subsequently fill the joints with LATICRETE® grouts

Grouting

Grout installation after a minimum of 24 to 48 hours air curing time at 70° F (21° C). Grout with LATICRETE® Sanded or Unsanded Grout mixed with LATICRETE® 1776 Grout Admix Plus. For maximum stain resistance use LATAPOXY® SP-100 Stainfree Grout or SpectraLOCK® Pro Premium 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® 252 Fast Set or LATICRETE® 73 Rapid admix with LATICRETE® 111 Crete Filler Powder 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

Cost

Contact a LATICRETE® Distributor in your area.

MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with neutral pH soap and water or MYK LATICRETE Clenza series suitable cleaners. All other LATICRETE® and LATAPOXY® materials require no maintenance but proper installation as per instruction.

Performance and durability may depend on properly maintaining of Installed area.

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 manufacturing of the product subject to the terms and conditions stated in LATICRETE® Product Warranty.

TECHNICAL SERVICES

Technical assistance

Information is available by calling the MYK LATICRETE Technical Service at:

Telephone: +91-40-30413100

FAX: +91-40-23378784

e-mail: technicalservices@myklaticrete.com

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