



LATICRETE® 335 Multipurpose Thin-set Adhesive

PRODUCT DESCRIPTION

The multipurpose polymer modified, thin-set mortar for interior and exterior installation of ceramic tile, vitrified, semi vitrified, porcelain tiles, stone, quarry tile, Glass Mosaic Tiles, glass tiles, pavers and brick. LATICRETE® 335 multipurpose thin set adhesive is designed to mix with water, has a convenient open time with high adhesion and workability. LATICRETE® 335 multipurpose thin set adhesive is compliant to EN and ANSI standards

Application

Excellent for interior, exterior and underwater application.

Advantages

- Single component, just add water
- High strength, polymer modified
- Easy to use
- Economical
- Bonds to various substrates
- Exceeds ANSI A118.4 shear bond strength requirements
 - Conforms to EN 12004 and ISO 13007 with a classification of C2TE S1
- Water resistant
- Shock resistant
- Excellent for tiling of water bodies like swimming pools etc.,

Suitable Substrates

- Concrete
- Concrete Masonry
- Cement Mortar Beds
- Cement Plaster
- Ceramic Tile and Stone
- Brick Masonry
- Cement Backer Board**
- Cement Terrazzo
- Gypsum Wallboard**
- Calcium Silicate board**

**Consult the backer board manufacturer's data sheet for the specific tile installation recommendations.

Packaging – 5 kg & 20 kg bags

Colour: Grey and white

Coverage

Approx 55 - 60 sft per 20kg bag with (6mmx6mm) Square notched trowel for a bed of 3 mm.

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

- Not for use directly over particle board, luan, Masonite or hardwood floors.
- Not for use over VAT, VCT cutback, vinyl and plastic laminates.
- Use white mortar for white or light colored marble/stone.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes. When a waterproofing barrier is required, use **Hydroban** / LATICRETE® 9235 Waterproofing 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.

NOTE TO THE SPECIFIER AND INSTALLER:

- While installing tile/stone on the external walls and floors, we need to provide the movement joints by creating spaces between the tiles/stones and filling them up with LATICRETE® cement based grout mixed with L1776 grout admix plus or silicone sealants. Please



MYK LATICRETE

refer EJ 171 of TCA document for details of movement joints.

- It is also important to note that the exterior tile / stone installations are provided with joints (spaces) on the periphery of the area without allowing the tile / stone to be bound by the peripheral masonry work or plaster. Please refer EJ 171 of TCA for provision of movement, control and expansion joints.
- It is also important to note that the tiles/stones are not installed directly on expansion joints. The expansion joints need to be run through the tile / stone work till top surface and filled with materials which accommodate the movements.
- While installing tiles / stones on dry wall boards like Gypsum wall boards, calcium silicate boards and Cement backer boards, it is recommended to use LATICRETE® latex admix such as Laticrete 3642 latex admix as a primer coat (should have been applied 8 to 10 hours before installation of tiles) for improved bonding and performance.
- No tile shall be installed on the joints of two adjacent dry wall boards and the joint of two boards shall be brought through to the top of the tile / stone, which shall be filled with a silicone sealant / highly flexible joint filler to accommodate the movements between the dry wall boards.

Cautions

- During cold weather, protect finished work from traffic until fully cured.
- Do not use Laticrete 335 Multipurpose adhesive with bed thickness more than 12mm. In case of level differences which cause bed thickness to increase in excess of 12mm consult MYK Laticrete Technical Services for guidance.
- In case of Engineered stones like Quartz or engineered marbles, please consult MYK Laticrete technical services for correct installation guidelines.
- 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.
- Keep out of reach of children.

TECHNICAL DATA

Applicable Standards

Laticrete® 335 Multipurpose adhesive conforms to: ANSI A118.4, ANSI 118.11, EN 12004, ISO 13007

Performance Properties

LATICRETE® 335 multipurpose Adhesive.

Test	Test Method	Results
Shear Bond, Porcelain Tile, 28 day cure	ANSI A118.4-1999; F-5.2.4	>330 psi (2.27 MPa)
Shear Bond, Porcelain Tile, Water Immersion	ANSI A118.4-1999; F-5.2.3	>200 psi (1.37 MPa)
Shear Bond, Quarry tile to Plywood, 28 day cure	ANSI A118.11-1999; F-4.1.2	>200 psi (1.37 MPa)
Compressive Strength – 28 Days	ANSI A118.4-1999	>2790 psi (19.2 MPa)
Adhesion after heat ageing	8.4 of EN 1348:2007	> 300 Psi (2.0 MPa)
Adhesion after water immersion	8.3 of EN 1348:2007	> 200 Psi (1.37 MPa)
Adhesion after freeze and Thaw	8.5 of EN 1348:2007	> 170 Psi (1.15 MPa)

LATICRETE® 335 Multipurpose adhesive is ISO 13007- C2TE S1

Working Properties 70° F (21° C)

LATICRETE 335 multipurpose Adhesive mixed with Water

Open Time	>30 minutes
Pot Life	Approx 4-6 hours
Time to Foot Traffic	Approx 24 hours
Adjustment Time	30 Minutes



MYK LATICRETE

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 but not on standing water. 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 mortar. Cement Backer Board: follow TCA installation detail W244.

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 Drywall boards: Follow the installation instructions strictly as given in the technical manual of the manufacturer of drywall board. The drywall boards must be installed with necessary Framework so as to meet the plumb requirements for use of thinset adhesives.
3. It is also important to have the information on possible warping, lateral movement of drywall boards due to changes in temperature and humidity in the site during construction and during service period after construction. This information

is vital for deciding the flexibility requirement of the thinset adhesive for installation of tiles or stones.

Mixing

Place clean, potable water into a clean pail. Add LATICRETE® 335 powder. Use approximately 5 to 6 Liters 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

a) Installation of Ceramic Tile/Stone

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.

b) Installation of Glass Mosaic tiles

The Laticrete adhesive shall be applied to the surface to be tiled with a notched trowel using a scraping motion to work the adhesive into good contact with the surface to be covered. Notch trowel with notches approximately 4mm is recommended to get a bed thickness of 1.5-2mm. Apply only so much that can be covered within 10-15 min or while the adhesive surface is still tacky. The Glass Mosaic tiles shall then be set in place and beaten gently with mallet or grouting float to insure 100% full bedding. Tiles shall be aligned to achieve uniform joints and then allowed to set until firm. The face of the sheets of front mounted glass mosaic tiles shall then be dampened and the face mount paper removed. Excess adhesive must be cleaned from the surface of the tile with a wet cloth or sponge while the adhesive is fresh and has not hardened.



Grouting

Grout installation can be done after a minimum of 24 hours (Floors) OR 8 hours (Walls) curing time at 70° F (21° C). Grout with LATICRETE® Sanded or Un-sanded Grout mixed with LATICRETE® 1776 Grout Admix Plus. For maximum stain resistance in internal applications, use LATAPOXY® SP-100 Stainfree Grout OR Laticrete 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 Xtrabond FSA 336, Fast Set adhesive or LATICRETE® 73 (Rapid) Crete 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 MYK LATICRETE® Distributor/ Dealer 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 proper maintenance of Installed area.

WARRANTY

MYK LATICRETE India Pvt Ltd warrants that LATICRETE® 335 Multipurpose Thinset 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 MYK 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

MYK Laticrete India Pvt Ltd.

8-2-703/A, Fourth Floor, Leela Gopal Towers

Road No-12, Banjara Hills,

Hyderabad – 500034 (A.P)

Tel: +91-40--30413100

Fax: +91-40-23378784

e-mail: contact@myklaticrete.com

Website: www.myklaticrete.com