

# LATICRETE® 333

## Super Flexible Latex Admix



### PRODUCT DESCRIPTION

LATICRETE 333® Super Flexible Latex admix is an extraordinarily flexible latex additive for use with thin set adhesives and other cement mixes. LATICRETE® 333 Super Flexible admix is specially formulated to provide a strong, super flexible bond to most surfaces, including plywood. Recommended for interior and exterior\* use with LATICRETE® 290 Premium Thin-Set adhesive.

**\*Contact MYK LATICRETE technical services for exterior area applications**

### Application

Used in place of water with thin set adhesive for installing: ceramic tile, brick, natural stone, porcelain tile on Plywood and variety of substrates.

### Advantages

- Makes high strength shock resistant adhesive.
- Exceeds ANSI A118.4 shear bond strength requirements
- Conforms to EN 12004 and ISO 13007 with a classification of C2TES1
- Strong, super flexible bond to many surfaces
- Safe and water cleanable, non-hazardous,
- Non-flammable liquid.
- Easy to use
- Sag resistant

### Suitable Substrates

- Concrete
- Ceramic Tile and Stones
- Cement Backer Board\*\*
- Brick Masonry
- Asphalt Adhesives\*
- Cement Terrazzo
- Vinyl or Other Resilient Tile\*
- Cement Mortar Beds
- Concrete Masonry
- Cement Plaster
- Exterior Grade Plywood\*
- Plastic Laminate\*
- Gypsum Wallboard\*

*\*Interior use only.*

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

**Packaging** – 5 litres and 20 litres.

### Coverage

Approx. 55-60 sft per 20 litre pail using 1/4" x 1/4" (6 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 two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C).

### Limitations

- Use LATAPOXY® 300 Epoxy Adhesive for installing green marble, water sensitive natural stone and agglomerates.
- Use a white thin set mortar when installing white or light colored natural stones.
- Adhesives/mastics, mortars for ceramic tile, 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.

- Exterior use limited to residential/light commercial.
- Not for use in areas subject to water immersion.

**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 cement based grout mixed with L1776 grout admix plus or silicone sealants.

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.

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.

**Cautions**

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

**TECHNICAL DATA**

**Applicable Standard**

ANSI A118.4-1999; A118.11-1999; EN 12004, ISO 13007

**Performance Properties**

LATICRETE®333 Super Flexible Additive mixed with LATICRETE®290 Premium Floor and Wall Thin-Set adhesive.

Test	Test Method	Results
Shear Bond Porcelain Tile, 28 day cure	ANSI A118.4-1999; C-5.2.4	280 psi (1.9 MPa)
Shear Bond Porcelain Tile, Water immersion	ANSI A118.1-1999; C-5.2.3	180 psi (1.2 MPa)
Compressive Strength	ANSI A118.4-1999; F-6.1 (modified)	4100 psi (28.2 MPa)

**Complies to EN & ISO Standards: C2T E51  
Working Properties at 70°F (21°C)**

LATICRETE®333 Super Flexible Additive mixed with LATICRETE®290 Premium Floor N’ Wall Thin-Set adhesive.

Open Time	30 minutes
Pot Life	5 hours
Time to Heavy Traffic	24 hours

**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 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 plywood floors:**

**SUBFLOOR:** 5/8” (15mm) thick exterior grade plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 16” (400 mm) o.c. maximum; fasten plywood 6” (150mm) o.c. along sheet ends and 8” (200mm)o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8” (3mm) between

sheet ends and ¼” (6mm) between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive;

**UNDERLAYMENT:** 5/8” (15mm) thick exterior grade plywood fastened 6” (150mm) o.c. along sheet ends and 8” (200mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8” (3mm) to ¼” (6mm) between sheets and ¼” (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.

**Mixing**

**Stir LATICRETE® 333 Super flex Latex Admix thoroughly before use.**

Place LATICRETE® 333 latex admix into a clean pail. Add LATICRETE® 290 powder. Use approximately 6.5 – 7 L of latex admix 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® 1776 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 252 FAST SET or LATICRETE® 73 Rapid 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

**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® 333 Super Flexible latex Admix is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (2) years 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: +91-40-2337878

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

**MYK Laticrete India Pvt Ltd.**

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

Road No-12, Banjara Hills,

Hyderabad – 500034

Tel: +91-40--30413100

Fax: +91-40-23378784

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

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