



LATICRETE® 4237 High Performance Latex Admix



PRODUCT DESCRIPTION

LATICRETE 4237 Latex Admix is a specially designed latex additive for use with LATICRETE 111 Crete Filler Powder* to make high strength latex thin-set adhesive. Adhesive made with LATICRETE 4237 is suitable for installing all types of ceramic tile, Vitrified tile, natural stone and agglomerates. Also for use with Portland cement to make slurry bond coats for mortar beds to give improved performance and longer open time.

*To achieve longer open time under tropical or desert conditions, the use of LATICRETE 290 Premium Thin Set Adhesive is recommended instead of LATICRETE 111 Crete Filler Powder.

Application

Used for installation of all types of ceramic tile, Vitrified tile, brick, natural stone and agglomerates. LATICRETE 4237 Latex admix offers the speed and economy of adhesives with the permanent, water resistant dependability of Portland cement.

Advantages

- Superior bond strength - greater than ANSI A118.4 .
- Flexible and shock resistant; rated for extra heavy traffic conditions.
- Proven performance; used in varied applications for over 40 years.

Suitable Substrates

- Concrete
- Brick Masonry
- Concrete Masonry
- Cement Mortar Beds
- Cement Terrazzo
- Cement Plaster
- Cement Backer Board*
- Ceramic Tile and Stone

- Gypsum Wallboard (Interior Only)

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

Packaging - 20 ltr pail

Coverage

Approximately 200 ft² per 20 liter using a 1/4" x 1/4" (6mm x 6mm) notched trowel

Shelf Life - Factory sealed containers of this product are guaranteed to be of first quality for five (5) years if stored indoors and off the ground at temperatures >32°F (0°C) and <110°F (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 stone.
- 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.

TECHNICAL DATA

Applicable Standards

ANSI A118.4-1999;

Performance Properties

LATICRETE ® 4237 High Performance Latex Admix mixed with LATICRETE 111 Crete Filler Powder

Test	Test Method	Results
Shear Bond, Porcelain Tile, 28 day cure	ANSI A118.4-1999; F-5.2.4	350 psi (2.4 MPa)
Shear Bond Porcelain Tile Water immersion	ANSI A118.4-1999; F-5.2.3	210 psi (1.4 Mpa)
Compressive Strength ANSI A118.4-1999; F6.1	ANSI A118.4-1999; F-6.1	4000 psi (27.5 MPa)

Working Properties

LATICRETE 4237 High Performance Latex Admix mixed with LATICRETE 111 Crete Filler Powder (70° F(21° C))

Open Time	30 minutes
Pot Life	4-5 hours
Time to Heavy Traffic	24 hours
Wet Density	1780 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, 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 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 EJ171-97 “Expansion Joints”. Do not cover expansion joints with mortar. Cement Backer Board: follow TCA installation detail W244.

Mixing

Stir LATICRETE admix thoroughly before use.

Place LATICRETE 4237 latex admix into a clean pail. Add LATICRETE 111 Crete filler powder. Use approximately 5-6L 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 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 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® 4237 High Performance Latex Admix 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
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