



LATICRETE® 111 Crete Filler Powder



PRODUCT DESCRIPTION

LATICRETE® 111 Crete Filler Powder is a factory prepared blend of carefully selected raw materials, Portland cement and graded aggregates. It is designed for use with LATICRETE® 73 Crete Admix / LATICRETE® 4237 to produce a High strength Adhesive for tile and Stone installation that meets and exceeds the requirements of international standards.

Application:

For the installation of ceramic tile, vitrified tiles and stone over cement and masonry type surfaces. Application includes Interior and exterior, wet and dry areas, walls, floors and ceilings. New and remodel construction, residential or commercial applications.

Advantages

- High strength, flexible, shock & impact resistant
- Versatile- wet and dry areas, walls, floor & ceilings
- Easy to use
- Economical – saves time and money

Suitable Substrates

- Concrete
- Ceramic Tile & Stones
- Concrete Masonry
- Brick Masonry
- Gypsum Wallboard (Interior Only)
- Cement Mortar Beds
- Cement backer board
- Cement Plaster
- Cement Terrazzo

Packaging- 20 kg bag

Colour: Grey and White

Coverage

Approx 55 - 60 sft per 20 kg bag 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 bags 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.
- Use a white thin set mortar when installing white or light colored natural stones.
- 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® 9237 / Hydroban Waterproof Membrane.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic tile/stone, 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 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.
- 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

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

Performance Properties

LATICRETE® 111 Crete Filler Powder mixed with LATICRETE® 73 Crete Admix

Test	Test Method	Results
Shear Bond, Porcelain Tile, 28 day cure	ANSI A118.4-1999; F-5.2.4	> 275 psi (1.9 MPa)
Shear Bond Porcelain Tile Water immersion	ANSI A118.4-1999; F-5.2.3	> 200 psi (1.38 MPa)
Compressive Strength	ANSI A118.4-1999; F-6	> 3000 psi (20.7 MPa)

Complies to EN standard: C2 T ES1

Working Properties at 70°F (21°C)

LATICRETE® 111 Crete Filler Powder mixed with LATICRETE® 73 Crete Admix

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

Performance Properties

LATICRETE® 111 Crete filler powder mixed with LATICRETE® 4237 High Performance Latex Admix.

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, A-5.2.3	>210 psi (1.4 MPa)
Compressive Strength	ANSI A118.4-1999; F-6.1	>4000 psi (27.6 MPa)

Complies to EN standard: C2 T E S1

Working Properties at 70°F (21°C)

LATICRETE® 111Crete filler Powder mixed with LATICRETE® 4237 High Performance Latex Admix (21° C) .

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

Note: Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods.

INSTALLATION

Surface Preparation

All Surfaces should be between 40°F (4°C) and 90°F(32°C) and do not set tile when surface temperature is below freezing point. Surface should be free from all dirt, oil, grease, loose peeling paint, laitance concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth. Use LATICRETE® Latex fortified 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 1/4" (6mm) in 10ft (3m). Expansion joints shall be provided through the tile work, run all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171-98 "Expansion Joints". Do not cover expansion joints with mortar. Cement Backer Board: follow TCA installation details W244.

Mixing:

Stir LATICRETE® 73 Crete admix / LATICRETE® 4237 thoroughly before use.

Place LATICRETE® 73 Crete Admix / LATICRETE® 4237 into a clean pail. Add LATICRETE® 111 Crete filler powder to the pail. Use approximately 5-6 liter of latex admixture 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 to 48 hours 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® 73 (Rapid) Crete Admix with LATICRETE® 111 Crete Filler Powder or LATICRETE 252® Fast Set. 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 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® 111 Crete Filler Powder 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

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