



## LATICRETE® 73 (Rapid) Crete Admix



### PRODUCT DESCRIPTION

LATICRETE 73 Crete Admix is a liquid latex admix mixed with LATICRETE 111 Crete filler powder. Tile adhesive made with 73 Crete Admix are more flexible and are stronger than conventional Portland cement mortars. This strong bond is especially important when vitreous and semi-vitreous tiles are installed and also for installation of natural stone and tile on external wall.

### Application

Vitrified tiles, ceramic tiles and natural stone in demanding areas, such as external facades factories and loading areas, should be set in LATICRETE 73 Crete Admix because of the exceptionally strong bonding, shock and impact resistance it gives the adhesive.

### Advantages

- High bond strength
- Increased flexibility
- Improved shock & impact resistance
- Improved compressive strength
- Reduced water absorption
- Secure bond for vitrified tiles

### Suitable Substrates

- Concrete
- Cement Plaster
- Cement Mortar Beds
- Ceramic Tile and Stone

- Concrete Masonry
- Brick Masonry
- Gypsum Wallboard\*
- Cement Terrazzo
- Cement Backer Board
- \*Interior applications only

### Packaging

20 liter Pail, (5ltx4) per carton

### Coverage

Approximately 200 ft<sup>2</sup> per 20 liter using a 1/4" x 1/4" (6mm x 6mm) notched trowel

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### 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

- Keep away from freezing.
- Do not use on Masonite, wood products or metal surfaces.
- 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 Standard

ANSI A118.4-1999

### Performance Properties

LATICRETE 73 Crete 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	275 psi (1.89 MPa)
Shear Bond Porcelain Tile Water immersion	ANSI A118.4-1999; F-5.2.4	200 psi (1.37 Mpa)
Compressive Strength	ANSI A118.4-1999; F-6	3000 psi (20.6 MPa)

### Working Properties

LATICRETE 111 mixed with LATICRETE 73 Crete admix (21°C)

Open Time	30 minutes
Pot Life	5 hours
Time to Heavy Traffic	24 hours
Wet Density	1800 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

## 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 laitance, efflorescence, 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 under layment 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. All slabs must be plumb and true to within 1/4" (6mm) in 10ft (3mm). 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 EJ171-91 "Expansion Joints". Do not cover expansion joints with mortar.

### Mixing

Stir LATICRETE admix thoroughly before use.

Place LATICRETE 73 Crete 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 282 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](mailto: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® 73 (Rapid) Crete 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

FAX: +91-40-23378784

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

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

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