



73 Crete Admix

73 Crete Admix is a latex admix for multipurpose usage in cement and sand mixes. Tile setting mortars made with 73 Crete Admix are more flexible and are stronger than conventional portland cement mortars.



FEATURES/BENEFITS

- Non-flammable.
- Increased flexibility.
- Improved impact resistance.
- Improved workability
- Increased Abrasion resistance
- Reduce shrinkage and cracking
- Reduce permeability

USES

- Grouts, screeds, repair mortars
- Masonry mortars
- Plasters
- Tile adhesives
- Bonding slurry coat

MANUFACTURER

LATICRETE KENYA LIMITED
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PACKAGING

- 20 L pail; 36 pails per pallet

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.

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

Coverage

Based on guideline mix design

Tile Adhesive: Approx 20 m² per 20 Liter of 73 Crete admix at 6 x6 mm notch trowel.

Bonding coat: Approx 20 m² per 20 Liter of 73 Crete admix.

Repair mortar: Approx 0.22 m³ per 20 Liter of 73 Crete admix.

Plaster: Approx 0.3 m³ per 20 Liter of 73 Crete admix.

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 from freezing.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick, and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane.
- For light-colored marble and stone use a white thin-set mortar.
- Do not use 73 Crete Admix directly as bonding bridge, prepare a bonding slurry of cement and sand. Perform a trial mix to establish the exact dosage rate required depending on the mix design, raw materials, climatic conditions and mortar requirements.
- 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.
- Use LATAPOXY® 300 Adhesive when installing green marble, water sensitive stone and agglomerates and resin backed tile or stones.
- Wait 14 days after the final grouting period prior to filing water features with water at 70°F (21°C).

- DO NOT use Masonite, wood products or metal surfaces.
- Keep out of reach of children.
- Consult MSDS for more safety information.

TECHNICAL DATA

Applicable Standard ANSI 118.4, EN 12004, ASTM D4541

Physical properties

Parameters	Results
Colour	Milky white
Density	1.02 ± 0.01
Chloride content	Nil

Performance

Tile adhesive (Adding 25% admix to (1: 1) Cement & Sand mix by weight)

Bonding coat (1.5: 2: 1 parts by weight of Cement: Sand:Admix)

Bond strength	ASTM D 4541	>0.5 MPa	0.8 - 1.2
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Note: Above tests are conducted by using Cem I 42.5 N and graded sand under laboratory temperature of 27 ± 2°C, results may vary depending on site condition.

INSTALLATION

Parameters	Test method	Specification	Results
Shear adhesion strength-28 days	ANSI 118.4, 7.2.5	1.38 MPa	1.5 - 1.8
Initial tensile strength	EN 12004–2:2017, 8.3	≥ 1 MPa	1.2 - 1.6

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, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with 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. All slabs must be plumb and true to within 1/4" (6 mm) in 10 ft (3 m). Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI specification A108.01-3.7 "Requirements for Movement Joints: Preparations by Other Trades" or TCNA detail EJ-171 "Movement Joints—Vertical & Horizontal". Do not cover expansion joints with mortar.

Mixing & Application

Tile adhesive:

Use 6.25 Liter of 73 Crete Admix to approximately 25 kg 211 Crete Filler or site mix cement & sand (0 - 0.6 mm) 1:1 by weight. Mix to a smooth, trowelable consistency.

Allow mortar to slake for 5–10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

Bonding bridge:

1.5: 2: 1 (Cement: Quartz sand (0-0.6 mm): Liquid) By weight
 1: 1: 1 (Cement: Quartz sand: Liquid) By volume

Brush the slurry onto the pre-wetted substrate (1–2 mm thick) and apply the mortar renders immediately while still wet (wet-on-wet).

Repair Mortar:

OPC - 50kg
 Quartz sand - 125 kg - 150kg
 73 Crete admix - 7L to 9L
 Water - 9L to 12L
 Yield - 0.09 m³

Plaster:

Portland Cement 50 Kg
 Graded Sand (0 - 4 mm)- 200 kg
 73 Crete admix- 9 L
 Water- 25 - 30 L
 Yield Approx. 0.14 m³

Note: The given mix designs are for guidance only, based on graded aggregates and dry sand. Trial mixes should be conducted to determine the exact dosage. For best results, maintain the correct 73 Crete Admix-to-water ratio. For sprayed renders, apply a bonding bridge to the prepared surface before plastering.

Cleaning

Clean tools and tile work with water while mortar is fresh.

MAINTENANCE

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

AVAILABILITY AND COST**Availability**

LATICRETE® materials are available worldwide.

For distributor information,

please contact us by email at: enquiry@laticreteafrika.com or, visit www.laticrete.me

Cost

Contact a LATICRETE closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that this product will not deteriorate under normal conditions and use, with a warranty validity of one (1) year. The product is subject to the terms and conditions stated in the LATICRETE Product Warranty. Please consult our technical support for further information.

TECHNICAL SERVICES**Technical assistance**

For information contact us by email at: enquiry@laticreteafrika.com

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.me

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of application, are indicative. LATICRETE, unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE products must conduct adequate tests to determine the site specifications. The results shown are typical but reflect the test procedures used. Actual field performance will depend on the installation method and site conditions.