# 73 Crete Admix

73 Crete Admix is a latex admix used in place of water in portland cement and sand mixes. Tile setting mortars 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.

## Features/Benefits
- Non-flammable.
- Increased flexibility.
- Improved impact resistance.

## Uses
- Used with quarry tiles and other ceramic tile floors
- Use in wear areas such as factories and loading areas
- Shock and impact resistant

## Manufacturer

**LATICRETE Middle East LLC.**

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## Packaging/Color

**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
Approximately 19.5 M² per 20 lb using a 6 mm x 6 mm notched trowel.

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 (see Section 10 FILING SYSTEMS).
- For light-colored marble and stone use a white thin-set mortar.
- 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
Consult MSDS for more safety information.
- 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 on Masonite®, wood products or metal surfaces.
- Keep out of reach of children.

TECHNICAL DATA
Applicable Standard ANSI A118.4
This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program. For Chemical Emissions. For Building Materials, Finishes and Furnishings (UL 2918 Standard) by UL Environment.

Performance Properties
Mixed with 211 Powder

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Method</th>
<th>Results</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 day Cure Porcelain Tile Shear Strength</td>
<td>ANSI A118.4 5.2.4</td>
<td>350–400 psi (2.41–2.76 MPa)</td>
<td>&gt;200 psi (1.38 MPa)</td>
</tr>
<tr>
<td>Shear Bond Porcelain Tile Water Immersion</td>
<td>ANSI A118.4 5.2.3</td>
<td>200–240 psi (1.38–1.66 MPa)</td>
<td>&gt;150 psi (1.0 MPa)</td>
</tr>
<tr>
<td>7 day Cure Porcelain Tile Shear Strength</td>
<td>ANSI A118.4 5.2.2</td>
<td>300–340 psi (2.07–2.34 MPa)</td>
<td>&gt;200 psi (1.38 MPa)</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ANSI A118.4 6.0</td>
<td>2500–2700 psi (17.24–18.6 MPa)</td>
<td>&gt;2500 psi (17.24 MPa)</td>
</tr>
</tbody>
</table>

From NAP331

Working Properties (70°F [21°C])
Mixed with 211 Powder

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Time</td>
<td>40 minutes</td>
</tr>
<tr>
<td>Pot Life</td>
<td>5 hours</td>
</tr>
<tr>
<td>Time to Traffic</td>
<td>24 hours</td>
</tr>
<tr>
<td>Wet Density</td>
<td>102 lbs/ft³ (1637 kg/m³)</td>
</tr>
</tbody>
</table>

Specifications subject to change without notice. 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 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 plum 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
Use 20 ℓ of 73 Crete Admix to approximately 80 kg of 211 Crete Filler Powder*** and 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.

*** Alternate filler powder: One (1) part portland cement and one (1) part sand (0–0.6 mm).

Application
Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side.

Note: Use the proper sized notched trowel to ensure full bedding of the tile. It is essential that enough mortar is used to completely cover the back of the tile with a minimum 3/32" (2 mm) to 1/8" (3 mm) uniform thickness. Spread as much mortar as can be covered with tile in 15–20 minutes. Back butter large tiles >8” x 8” (>200 x 200 mm) to provide full bedding and firm support. Place tiles into place with a slight twisting motion and beat in using a beating block and rubber mallet to embed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile.

Grouting
Grout installation after a minimum of 24 hours curing time at 70°F (21°C). Grout with 1500 Sanded Grout or 1600 Unsanded Grout mixed with 1776 Grout Enhancer. For maximum stain resistance use SPECTRALOCK®† PRO Grout.

†United States Invention Patent No.: 6881768 (and other Patents)

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 and LATAPOXY® materials are available worldwide.
For Distributor information, call: LATICRETE ME for details

WARRANTY
The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information.