



73 CRETE ADMIX

DS-2666-0124

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

73 CRETE ADMIX

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

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.

73 CRETE ADMIX + 211 POWDER: a high performance, latex fortified cement adhesive system specifically formulated for the installation of ceramic tiles, natural stone, and mosaics of all kinds; IMO-MED certified and meets requirements of EN 12004 C2 TE.

Uses

- For interior and exterior use, walls, floors and ceilings
- For use with quarry tiles and other tile floors such as ceramic, stone, and mosaics
- For use in wear areas such as factories and loading areas
- For use in swimming pools and other submerged applications
- Shock and impact resistant

- Please refer to the “Adhesive Selection Guide” in the product catalogue for a complete list of applications and maximum permitted sizes

Advantages

- Versatile — for wet and dry, walls, floors, and ceilings
- Excellent for use in swimming pools, fountains and water features
- Ideal for glass and porcelain
- No water needed — 73 CRETE ADMIX used in place of water
- Safe and easy to use — non flammable
- Flexible
- High strength, shock, and impact resistance
- 73 CRETE ADMIX + 211 POWDER system is IMO-MED certified and meets requirements of EN 12004 C2 TE

Suitable Substrates

- Concrete
- Concrete and Brick Masonry
- Cement Terrazzo
- Cement Plaster
- Cement Render
- Cement Backer Board (Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use)
- Gypsum Wallboard (Interior use only, non-wet areas)
- Ceramic Tile and Stone

Packaging

20 kg pail

Coverage / Consumption

5 - 6 kg/m² using a 10x10 mm or 15 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.
- For light-coloured 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.

Cautions

Consult MSDS for more safety information.

- DO NOT use on magnesium substrates.
- 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 filling water features with water at 21°C.
- DO NOT use on Masonite®, wood products or metal surfaces.
- Keep out of reach of children.

4. TECHNICAL DATA



VOC/LEED Product Information

Total VOC Content of product in unused form is 0.00 g/L.

This product has been certified EC1 by GEV EMICODE® for low chemical emissions.

It has also 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 2818 Standard) by UL Environment.

Applicable Standard

- EN12004 C2 TE
- ANSI A118.4
- ISO 9001:2015 Quality Management System

Physical Properties

Mixed with 211 POWDER

Flammability:	No		
Classification EN 12004-1:	C2 TE		
Temperature Resistance:	-30 °C to +90 °C		
	Value	Requirement	Test Method
Tensile Adhesion Strength:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Open Time: Tensile Adhesion Strength after 30 min.:	≥ 0,5 N/mm ²	≥ 0,5 N/mm ²	12004-2 8,1
Slip:	≤ 0,5 mm	≤ 0,5 mm	12004-2 8,2

Working Properties

Mixed with 211 POWDER

Consistency:	Creamy
Mix Ratio:	~6,5 kg latex per 25 kg bag
Working Time:	40-60 minutes
Pot Life:	5 hours
Time to Foot Traffic:	12 hours
Time to Traffic:	24 hours
Wet Density:	1637 kg/m ³

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.

5. INSTALLATION

Surface Preparation

All surfaces should be between 5°C and 35°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 a 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. New concrete slabs shall be damp cured and 28 days old before application. All slabs must be plumb and true to within 6 mm in 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 6.5 kg of 73 CRETE ADMIX to approximately 25 kg of 211 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 23°. Grout with SPECTRALOCK® PRO PREMIUM GROUT, PERMACOLOR® SELECT, PERMACOLOR® SELECT FINE, SPECTRALOCK® 2000IG, COLORBASE FS or COLORBASE FL.

Cleaning

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

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059 535540

info@laticreteeuropa.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE EUROPE S.r.l to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS230.13EU: 1 Year Product Warranty (EN)

8. MAINTENANCE

LATICRETE® and LATAPOXY® are products 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.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteeuropa.com

Technical and Safety Literature

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

Warning

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

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.eu.