



Globally Proven
Construction Solutions

282 Mortar Admix

282 Mortar Admix is a special latex additive for tile grouts, thin-set mortars, and cement mortar beds. Add 282 Mortar Admix to dry thin set mortars and grouts in place of water to improve the physical properties of the grout or mortar. A simple and economical way to make permanent, problem free installations



FEATURES/BENEFITS

- Cleans easily with water
- Safe, non-flammable, non-hazardous
- Easy application

USES

Used in place of water, 282 Mortar Admix improves the working and physical properties of any cement mix and provides an economical and easy way to make permanent, trouble-free installations of ceramic tile, brick and natural stone.

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd (Level 2, A3)
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STANDARDS/CERTIFICATIONS

- ASTM C109
- ASTM C413
- ASTM C348
- BS 13892



This product has been certified green under the Singapore Green Building Council.

Suitable Substrates

- New & Old Concrete
- Concrete Screeds
- Existing Ceramic Tile & Terrazzo
- Concrete Block
- Plaster/Render
- Masonry Surfaces
- Gypsum Wall Boards*

Packaging

20ℓ /pail, 36 pails per pallet.

210ℓ /drum, 4 drums per pallet.

Coverage

A drum of 282 Mortar Admix will yield a coverage of about 67m² per 20mm thick when mixed with LATICRETE Thick Bed Mortar.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >0°C and <40°C.

Limitations

- Do not apply directly over plywood, chipboard, particle board, decorative laminates, or resilient flooring (use LATAPOXY® 300 Adhesive for installing over plywood or resilient flooring).
- 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 Waterproofing 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.
- Do not take internally.
- Keep out of reach of children.

TECHNICAL DATA

Performance Properties

Mixed with 226 Thick Bed Mortar

Test	Test Method	Results
Compressive Strength (28 days)	ASTM C109	>30N/mm ²
Water Absorption	ASTM C413	<4%
Flexural Strength	ASTM C348	>6N/mm ²
Tensile Adhesion Bond Strength (28 days)	BS13892	>1.5N/mm ²

Working Properties

Mixed with 226 Thick Bed Mortar

Pot Life (25°C)	1 hour
Time to Light Traffic	24 hours

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.

INSTALLATION

Preparation

All surfaces should be structurally sound, clean and free of dirt, oil, grease, concrete sealers, form release oils or curing compounds. Loose plaster, paint and other debris must be removed. Dusty concrete or masonry should be dampened with water prior to the application of mortar. Surfaces to be grouted should be dampened with a wet sponge prior to grouting.

Application

Full Mortar Beds (bonded to substrate)

Add 282 Mortar Admix to 226 Thick Bed Mortar and slowly mix. Adjust mixture to produce a semi-dry consistency. Before placing mortar, apply a slurry bond coat made from 282 Mortar Admix mixed with pure Portland cement. While the slurry is wet spread the mortar and compact well. Be sure mortar is well compacted. If placing tile immediately, apply a slurry bond coat (4237 Thin-Set Mortar Additive/ 211 Crete Filler Powder) on top of the freshly placed full bed mortar. While the slurry coat is still wet place the tile and beat in. Wait 24 hours or until tile work is firm before grouting.

Thin-Set Mortars

Combine 282 Mortar Admix with a LATICRETE Thin-Set Mortar. Mix until mortar is creamy and plastic. Allow mortar to slake 3-5 minutes then remix. DO NOT OVER MIX. Work the mortar into the surface using the flat side of the trowel. Then apply additional mortar with the notched side, taking care to use enough mortar so that the tiles will be completely bedded in mortar. Back butter large tiles >200mm x 200mm. Place tile while mortar is still wet and tacky. Twist and beat tiles to firmly bed. Allow mortar to set until firm before grouting. **Please do not mix with other aggregates such as cement or sand etc with 282 Mortar Admix.**

Grouting

Combine 282 Mortar Admix with a LATICRETE cement grout; mix to smooth, stiff consistency. Grout color may vary due to working conditions.

Dampen the tile surface with water. Place grout on floor and work into joints using a hard rubber float. Use diagonal strokes to pack the joints. Remove excess grout by holding the float at a right angle to the surface and work diagonally across the joints. Allow grout to become firm before cleaning. Rub surface with a nylon pad or a coarse cloth. Use minimal water for clean up. **Please do not mix with other aggregates such as cement or sand etc with 282 Mortar Admix.**

Renders & Plasters

Add the dry cement/sand mix slowly to the 282 Mortar Admix while mixing. Adjust the mixture to produce a trowelable mortar with a small amount of additional latex of dry powder as required. Apply with trowel in the same manner as normal plasters. Work mortar into surface with trowel. Trowel lightly to remove any surface marks, DO NOT OVER TROWEL

Do not attempt to apply more than 12mm of mortar on wall surfaces at one time. The coating can be finished with a wood, cork, or sponge float to provide decorative textured finishes. Cover any installation subject to rapid drying conditions such as hot temperatures, sunlight and wind.

Cold Weather Note: The setting of Portland cement mortars and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather.

Hot Weather Note: The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions. Apply mortar to dampened surfaces and protect freshly spread mortar and finished work when installing in temperatures over 35°C.

Cleaning

Clean tools and tile work while mortar is fresh.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

For on-line distributor information, visit LATICRETE at se.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE South East Asia Pte Ltd warrants that 282 Mortar 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.

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.

TECHNICAL SERVICES/ CONTACT

Technical Assistance

Information is available by calling:

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Technical and safety literature

To acquire technical and safety literature, please visit our website at se.laticrete.com