



Globally Proven
Construction Solutions

278 Mortar Admix

278 Mortar Admix is a special latex additive for tile grouts, thin-set mortars, and cement mortar beds. Add 278 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 installation.



FEATURES/BENEFITS

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

USES

Used in place of water, 278 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)
No. 38 Sungei Kadut, Street 2, Singapore 729245
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STANDARDS/CERTIFICATIONS

- ASTM C109
- BS 13892



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

Suitable Substrates

- New & Old Concrete
- Concrete Screeds
- Gypsum Wall Boards (Internal Only)
- Existing Ceramic Tile
- Concrete Block
- Plaster/Render
- Masonry Surfaces

Packaging

20ℓ /pail, 36 pails per pallet.

210ℓ /drum, 4 pails per pallet.

Coverage

A drum of 278 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 boards decorative laminates, or resilient flooring (use LATAPOXY 300 Adhesive for installing over plywood or resilient flooring).
- Adhesive / 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, thick 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 installation 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

When 278 Mortar Admix mixed with 226 Thick Bed Mortar

Test	Test Method	Results
Compressive Strength (28 days)	ASTM C109	>28N/mm ²
Tensile Adhesion Bond Strength (28 days)	BS13892	>1.2N/mm ²

Working Properties

When 278 Mortar Admix mixed with 226 Thick Bed Mortar (21°C)

Pot Life (30°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, from 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 278 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 278 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 Latex 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/Thick-Set Mortars — Combine 278 mortar Admix with a Thin/Thick-set Mortar. Mix until mortar is creamy and plastic. 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 278 Mortar Admix.**

Grouting — Combine 278 Mortar Admix with a LATICRETE cement grout; mix to smooth, stiff consistency. Grout color may vary due to work conditions. **Please do not mix with other aggregates such as cement or sand etc with 278 Mortar Admix.**

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 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. **Renderers & Plasters** — Add the dry cement/sand mix slowly to the 278 Mortar Admix while mixing. Adjust the mixture to produce a trowel able mortar with a small amount of additional latex or 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 (1/2") 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.

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 278 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 terms and conditions stated.

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

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