



278 Mortar Admix

LATICRETE® 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 installations



FEATURES/BENEFITS

- Clean easily with water
- Safe – Non-flammable, non-hazardous
- Easy application

MANUFACTURER

LATICRETE (Malaysia) Sdn Bhd
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SUITABLE SUBSTRATES

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

* Consult LATICRETE technical services for more information

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

PACKAGING / COLOUR

20ℓ/pail, 36 pails per pallet
 210ℓ/drum, 4 drums per pallet

Approximate 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 off the ground 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 designed as replacements for waterproof membranes. When a waterproof barrier is required, use a LATICRETE waterproof 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

Consult MSDS for more safety information

- 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	>28N/mm ²
Tensile Adhesion Bond Strength	BS 13892	>1.2N/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

Surface 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 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 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 278 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. Back butter large tiles >300mm x 300mm. 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 colour 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 278 Mortar Admix

Renderers & 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 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 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 with water while mortar is fresh

AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide

For distributor information, call:

Telephone: +603 7989 9188

Fax: +603 7972 0331

For online distributor information, visit LATICRETE at <https://ma.laticrete.com>

Cost

Contact a LATICRETE distributor in your area

WARRANTY

LATICRETE (Malaysia) Sdn Bhd 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 subjected to terms and conditions stated

MAINTENANCE

LATICRETE grouts require routine cleaning with a neutral pH detergent and water. All stone and tiles should be maintained and sealed with STONETECH® products as appropriate for the specific tile / stone and installation situation

All other LATICRETE materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers

TECHNICAL SERVICE/CONTACT

Technical Assistance

Information is available by calling:

LATICRETE (Malaysia) Sdn Bhd
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Technical and safety literature

To acquire technical and safety literature, please visit our website at <https://ma.laticrete.com>

† United States Invention Patent No.: 6,881,768 (and other Patents)