



## 3702 Mortar Admix

Globally Proven  
Construction Solutions

3702 Mortar Admix is a specially designed latex admixture for use with cement mortar beds, grouts, and other cement mixes.



### FEATURES/BENEFITS

- Interior and exterior installations
- Water resistant; suitable for submerged applications
- Superior flexibility
- "Extra Heavy Service" rating per TCNA performance levels (RE: ASTM C627 Robinson Floor Test).

### USES

Used in place of water, 3702 Mortar Admix improves the working and physical properties of any cement mix and provide 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  
Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com.sg](http://se.laticrete.com.sg)

### STANDARDS/CERTIFICATIONS

- ANSI A118.4
- ASTM C348
- ASTM C307
- ANSI A118.7
- Xenon Arc Test

### Suitable Substrates

- Concrete
- Cement mortar beds
- Ceramic tile and stone
- Cement backer board\*
- Gypsum wallboard (interior only)
- Cement plaster
- Brick masonry
- Cement terrazzo
- Concrete masonry

\* Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

### Packaging

20e /pail, 36 pails per pallet.

### 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.

\* High humidity will reduce the shelf life of bagged product.

### Limitations

- Not for use as a thin-set mortar additive over exterior glue plywood.
- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive stone and agglomerates and resin backed tile and stone.
- Use a white thin-set mortar when installing white or light-colored stone.
- 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.

**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.
- Wait 14 days after the final grouting period before filing water features with water at 21°C.
- Keep out of reach of children.

### TECHNICAL DATA

#### Performance Properties

3702 Mortar Admix mixed with LATICRETE Laticolour Polymer Coating

Test	Test Method	Results
Compressive Strength	ANSI A 118.4	>25Mpa
Flexural Strength	ASTM C348	>6Mpa
Tensile Adhesion strength	ASTM C307	>1Mpa

Water penetration	DIN 1408	<5mm
Linear Shrinkage	ANSI A118.7	<0.1%
Toxicity	WHO requirement on effect on water	Compliance
Colour fastness	Xenon Arc Test	Excellent
Total VOC Content		<0.05mg/m <sup>3</sup>

### Working Properties

3702 Mortar Admix mixed with LATICRETE Laticolour Polymer Coating

Pot Life	1 Hour
Open for Traffic	48 Hours

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will vary depending upon site conditions.

### INSTALLATION

#### Surface Preparation

All surfaces should be between 8°C and 35°C and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with 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.

**Note:** Latex portland cement mortars do not require a minimum cure time for cement slabs. 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

Stir 3702 Mortar Admix thoroughly before use. **Please do not mix other aggregates such as cement or sand etc to 3702 Mortar Admix.**

#### As a Thick-Bed Additive

Use approximately 2.7e - 3.1e of 3702 Mortar Admix to 27kg of 226 Thick Bed Mortar. Place 3702 Mortar Admix in a clean plastic pail. Do not dilute. Add 226 Thick Bed Mortar to 3702 Mortar Admix 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.

#### As a Grout Additive

Use approximately 5.8e - 6.2e of 3702 Mortar Admix to 20kg of 1600 UnSanded Grout. Add 1600 UnSanded Grout to 3702 Mortar Admix and mix to a smooth, stiff consistency. Use 3702 Mortar Admix full strength for exterior applications; dilute 1/1 with clean water for interior use.

**Application****Thick - Bed Mortar**

Before placing mortar, apply a slurry bond coat made from 4237 Latex Additive, mixed with 211 Powder or pure portland cement if required. While the slurry bond coat to the mortar is wet, spread the mortar and compact well. If placing tile immediately, apply a slurry bond coat to the mortar, made from 4237 Latex Additive, mixed with 211 Powder. While the slurry bond coat is wet and sticky, place the tile and beat in well.

**Grout**

Before starting to grout remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Apply grout release or sealer if necessary. Grout installation after a minimum of 24 hours curing time at 21°C. Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and the grout is not just sitting on top ("bridging the joint").

**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. For faster setting mortar, use LATICRETE Thin-Set with 101 Rapid Latex Admix. Do not set tile when surface temperature is below freezing or when substrate is frozen.

**Hot Weather Note:**

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

**Cleaning - Mortar**

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

**Grout Primary Cleaning**

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material.

**Grout Secondary Cleaning**

Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water.

**Note:** Use caution when polishing soft glazed tiles or polished stone.

**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](http://se.laticrete.com)

**Cost**

Contact a LATICRETE Distributor in your area.

**WARRANTY**

LATICRETE South East Asia Pte Ltd warrants that 3702 Mortar Admix is free from manufacturing defect 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 materials are premium quality construction products requiring no maintenance to ensure performance. For aesthetic/hygienic reasons, LATICRETE and LATAPOXY grouts can be routinely cleaned with soap and water.

**TECHNICAL SERVICES****Technical Assistance**

Information is available by calling:

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

No. 38 Sungei Kadut, Street 2,  
Singapore 729245

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

Email: [enquiry@laticrete.com.sg](mailto:enquiry@laticrete.com.sg)

**Technical and safety literature**

To acquire technical and safety literature, please visit our website at [se.laticrete.com](http://se.laticrete.com)