



Globally Proven  
Construction Solutions

## 226 / 227 Thick Bed Mortar

226 / 227 Thick Bed Mortar is a factory prepared blend of carefully selected raw materials, Portland cement and graded aggregates. 226 / 227 Thick Bed Mortar was designed for use with Latex to produce a latex Portland cement mortar that has exceptional strength.



### FEATURES/BENEFITS

- Premixed—No jobsite blending of powders required
- Safe—Non-flammable; safe to store and mix
- Economical—saves time and money
- Easy to Use—no special tools required
- Versatile—wet and dry areas, walls, floors, ceilings, interior and exterior
- High Strength Formula “Extra Heavy Service” rating per TCNA performance levels (RE: ASTM C627 Robinson Floor Test).

### USES

For interior and exterior use for preparing conventional thick cement mortar beds, cement plasters, and concrete repairs.

### MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd  
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Internet: [se.laticrete.com](http://se.laticrete.com)

### STANDARDS/CERTIFICATIONS

- ASTM C109
- ASTM C413
- ASTM C348
- ASTM C627
- BS 1881-121
- BS 13892-8



This product has been certified green by the UL GREENGUARD Certification Program and Singapore Green Building Council.

### Suitable Substrates

(When mixed with Latex)

- Concrete
- Ceramic tile & stones
- Concrete masonry
- Brick masonry
- Cement mortar beds
- Cement plaster
- Cement terrazzo

### Packaging

27kg bag, 80 bags per pallet.

### Coverage

27kg bag of **226 Thick Bed Mortar** (floor screed) when mixed with ~ 2.7ℓ - 3.1ℓ of 3701 Mortar Admix/ Latex, yielding approximately 0.8 to 0.9m<sup>2</sup> at 20 mm thick

27kg of **227 Rendering Mortar** (wall plaster) when mixed with ~ 4.0ℓ - 4.5ℓ of 3701 Mortar Admix/ Latex, it yields coverage 0.8 to 1.0m<sup>2</sup> per 20mm.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year\* if stored off the ground in a dry area, at temperatures 0 - 40 °C.

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

### Limitations

- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- 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.

### Cautions

Consult MSDS for more information.

- During cold weather, protect finished work from traffic until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

### TECHNICAL DATA

Mixed with 3701 Mortar Admix

Test	Test Method	Results
Compressive Strength	ASTM C109	>35N/mm <sup>2</sup>
Water Absorption	ASTM C413	<4%

Flexural Strength	ASTM C348	>8N/mm <sup>2</sup>
Tensile Adhesion Strength	BS 13892-8	>3N/mm <sup>2</sup>
Modulus of Elasticity	BS 1881-121	>510000psi
TCNA Service Rating	ASTM C627	Extra Heavy

### Working Properties

Mixed with 3701 Mortar Admix

Properties	226	227
Pot Life (30°C)	~1 hour	~1.5 hour
Time to Light Traffic	>24 hours	N.A.

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

All surfaces should be between 8°C and 35°C and structurally sound, clean and free of all dirt, oil, grease, laitance, paint, concrete sealers or curing compounds. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. 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 E-171 “Movement Joints—Vertical & Horizontal”. Do not cover expansion joints with mortar.

### Application

#### Mixing 226 Thick Mortar Bed

Mix a 27kg bag of 226 Thick Bed Mortar to 2.7ℓ - 3.1ℓ of 3701 Mortar Admix/ Latex to a stiff, semi-dry consistency. Mix ratio may vary dependent upon weight of finish. **Please do not mix other aggregates such as cement or sand etc to 226 Thick Bed Mortar.**

#### Bonded Thick Mortar Bed—Installation

Before placing mortar, apply a slurry bond coat made from 4237 Thin Set Mortar Additive mixed with 211 Crete Filler Powder. While the slurry bond coat is wet, spread the mortar and compact well. If placing tile immediately, apply a slurry bond coat to the mortar. While the slurry bond coat is wet and sticky, place the tile and beat in well.

#### Unbonded Thick Mortar Bed—Installation

Before placing mortar, place a cleavage membrane (e.g. 4 mil thick polyethylene sheeting or 15 lbs, builder felt) on the substrate. Place mortar over the cleavage membrane (approximately 1/2 the depth of the mortar bed). Next, place 50 mm x 50 mm, 16 gauges galvanized welded wire mesh over the mortar. Then, place the balance of the mortar bed. The wire mesh should be suspended in the middle of the mortar bed. Spread the mortar and compact well. Minimum mortar bed thickness shall be 50 mm. If placing tile immediately, apply a slurry bond coat, made from LATICRETE adhesive to the mortar. While the slurry bond coat is wet and sticky, place the tile and beat in well.

Note: A slurry bond coat should also be applied to the edges of mortar beds installed from previous work periods.

**Mixing 227 Rendering Mortar**

One 27kg bag of 227 Rendering Mortar when mixed with 4.0ℓ - 4.5ℓ of 3701 Mortar/ Latex to a plasterable consistency (Refer to bag for mixing hints). Mix ratio may vary dependent upon weight of finish.

**Please do not mix other aggregates such as cement or sand etc to 227 Thick Bed Mortar**

\*Actual mix ratio & field performance will depend on application methods, site condition and temperature.

**Concrete Repair and Resurfacing**

Apply a slurry bond coat to all reinforcing steel and existing clean, sound and stable concrete surfaces just prior to placing the topping. While the slurry bond coat is wet and sticky place the topping mortar. Compact the surface of the mortar with a flat trowel and ensure all voids are filled. Avoid over troweling.

**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.

**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.

**Cleaning**

Clean tools and tile work with water 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](http://se.laticrete.com)

**Cost**

Contact a LATICRETE Distributor in your area.

**WARRANTY**

LATICRETE South East Asia Pte Ltd warrants that 226/227 Thick Bed Mortar 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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No. 38 Sungei Kadut Street 2

(Level 2, A3)

Singapore 729245

Telephone: (65) 6515-3028

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**Technical and safety literature**

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