



226 Thick Bed Mortar

DS-1063-0512



1. PRODUCT NAME

LATICRETE® 226 Thick Bed Mortar

2. MANUFACTURER

LATICRETE Pty Ltd.
29 Telford Street
Virginia, QLD 4014 Australia

Telephone: 07 3865 1599
Toll Free: 1800 331 012
Fax: 07 3865 2250
Internet: www.laticrete.com.au

3. PRODUCT DESCRIPTION

LATICRETE 226 Thick Bed Mortar is a factory prepared blend of carefully selected raw materials, Portland cement and graded aggregates. Designed for use with LATICRETE 3701 Mortar Admix to produce a latex Portland cement mortar that has exceptional strength. LATICRETE 3701 Fortified Mortar Bed is an approved substitute for LATICRETE 226 Thick Bed Mortar mixed with LATICRETE 3701 Mortar Admix.

Uses

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

Advantages

- Premixed – No job site blending of powders required
- Safe – Non-flammable. Safe to store and mix
- Economical – Saves time and money
- Easy to use – No special tools required
- High strength formula
- Versatile – Wet and dry areas, walls, floors, ceilings, interior and exterior
- “Extra Heavy Service” rating per TCNA performance levels (RE: ASTM C627 Robinson Floor Test)

Suitable Substrates

(When mixed with LATICRETE 3701 Mortar Admix)

- Concrete
- Ceramic tile and stones

- Concrete masonry
- Brick masonry
- Exterior glue plywood*
- Cement mortar beds
- Cement backer boards**
- Cement plaster
- Cement terrazzo

* For interior only, over cleavage membrane with wire reinforcing

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

Packaging

20 kg bag; 56 bags per pallet

Available Colour

Grey

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.

* 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 waterproof membranes. When a waterproof membrane 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 (except where local building codes specify more stringent deflection requirements).

Cautions

- 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.

4. TECHNICAL DATA

Applicable Standards

Conforms to ANSI A-118.4-1999: Latex Portland Cement Mortar (When mixed with LATICRETE 3701 Mortar Admix).

Performance Properties

LATICRETE® 226 Thick Bed Mortar mixed with LATICRETE 3701 Mortar Admix

Test/Test Method	Results
Water Absorption ANSI A118.6-4.4	<5%
Compressive Strength ANSI A118.4-6.1	33.8 – 34.5 MPa
TCA Service Rating ASTM C-627	Extra Heavy

Working Properties

LATICRETE 226 Thick Bed Mortar mixed with LATICRETE 3701 Mortar Admix at 21°C

Pot Life	1 hour
Time to Foot Traffic	12 hours
Time to Heavy Traffic	72 hours
Wet Density	2166 kg/m ³

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.

5. INSTALLATION

All work should be in general accordance with AS3958.1-2007 unless otherwise stated.

Surface Preparation

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all dirt, oil, grease, loose peeling 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 Australian Standards requirements for Expansion Joints in AS3958.1 Section 5.4.5 and AS3958.2 Section 4.5 or TCNA detail EJ-171 “Movement Joints – Vertical & Horizontal”. Do not cover expansion joints with mortar.

Mixing

LATICRETE 226 Thick Bed Mortar and LATICRETE 3701 Mortar Admix can be mixed by hand, but for best results use a static drum with rotating paddle type mixer.

Mixing Mortar Bed – Dry Pack Consistency

Use approximately 20 kg of LATICRETE 226 Thick Bed Mortar to 1.9 litres of LATICRETE 3701 Mortar Admix for semi-dry mix. 19 litres of LATICRETE 3701 Mortar Admix mixes with approximately 10 bags of LATICRETE 226 Thick Bed Mortar yielding approximately 10 m² at 10 mm thick. Mix to a stiff, semi-dry consistency (Refer to bag for mixing hints). Mix ratio may vary dependant upon weight of finish.

Bonded Mortar Bed

Installation

Before placing mortar, apply a slurry bond coat made from LATICRETE 335 Premium Flexible Adhesive or LATICRETE 4237 Latex Additive mixed with LATICRETE 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, made from LATICRETE 335 Premium Flexible Adhesive or LATICRETE 4237 Latex Additive mixed with LATICRETE 211 Crete Filler Powder, to the mortar. While the slurry bond coat is wet and sticky, place the tile and beat in well. Refer to TDS1009 “Slurry Bond Coats – When & What Use” for more information on slurry bond coats.

Un-Bonded Mortar Bed

Installation

Before placing mortar, place a cleavage membrane (e.g. 200 µm thick polyethylene sheeting) on the substrate. Place mortar over the cleavage membrane (approximately 1/2 the depth of the mortar bed). Next, place 25 mm x 25 mm to 75 mm x 50 mm, 1.2 mm to 2 mm diameter 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 40 mm. If placing tile immediately, apply a slurry bond coat, made from either LATICRETE 335 Premium Flexible Adhesive or LATICRETE 4237 Latex Additive mixed with LATICRETE 211 Crete Filler Powder to the mortar. While the slurry bond coat is wet and sticky, place the tile and beat in well.

Application

Wall Renders

Mixing

Mix a 20 kg of LATICRETE 226 Thick Bed Mortar to 2.3 – 2.5 litres of LATICRETE 3701 Mortar Admix. 20 litres of LATICRETE 3701 Mortar Admix mixes with approximately 8 bags of LATICRETE 226 Thick Bed Mortar, yielding approximately 8 m² at 10 mm thick. Mix to a plastic consistency.

Wall Renders

Installation

No slurry bond coat is required prior to placing wall renders.

Apply wall render with a steel trowel pressing mortar into good contact with the substrate. Apply “scratch coat” first – not to exceed 12 mm thickness. Scratch mortar before it hardens. After “scratch coat” hardens, apply the “brown or float coat” working the mortar into good contact with the scratch coat. Do not exceed 15 mm thickness per lift. Scratch all lifts that will receive additional float coats. Float wall with steel trowel and straight edges to form a plumb and true mortar surface. Allow the completed render coats to cure for 24 hours at 21°C prior to the installation of tile.

Concrete Repair & Resurfacing — Leveling Mortar Consistency

Mixing Leveling Mortars

Mix a 20 kg of LATICRETE 226 Thick Bed Mortar to 2.4 litres of LATICRETE 3701 Mortar Admix. 20 litres of LATICRETE 3701 Mortar Admix mixes with approximately 8 bags of LATICRETE 226 Thick Bed Mortar, yielding approximately 8 m² at 10 mm thick. Mix to a plastic consistency. Mix ratio may vary dependent upon weight of finish.

Concrete Repair & Resurfacing

Installation

Before placing mortar, apply a slurry bond coat made from LATICRETE 335 Premium Flexible Adhesive or LATICRETE 4237 Latex Additive mixed with LATICRETE 211 Crete Filler Powder.

Apply a slurry bond coat to all reinforcing steel and existing clean, sound and stable concrete surfaces just prior to placing the mortar. 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.

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

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 32°C.

Cleaning

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

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For Distributor information:

Toll Free: 1800 331 012
Telephone: 07 3865 1599

For online Distributor information, visit LATICRETE at www.laticrete.com.au

Cost

Contact a LATICRETE Distributor in your area

7. 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.

8. TECHNICAL SERVICES

Technical assistance

Information is available by calling

Toll Free: 1800 331 012
Telephone: 07 3865 1599
Fax: 07 3865 2250

Technical and safety literature

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

9. DISCLAIMER

- The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.
- This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.
- The use of this product is beyond our control and liability is assumed by the user when used incorrectly and not in accordance with LATICRETE guidelines.
- The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.
- The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this data sheet.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY 310 Stone Adhesive, LATAPOXY 300 Adhesive, LATICRETE SpectraLOCK® PRO Grout, LATAPOXY SP-100 and LATICRETE SpectraLOCK 2000 IG will not contribute to any noticeable efflorescence.

LATICRETE Pty Ltd
29 Telford Street
Virginia, QLD 4014
Australia
1800 331 012
www.laticrete.com.au

©2012 LATICRETE Pty Ltd
All trademarks shown are the intellectual properties of their respective owners.