



Quick Cure Mortar Bed

DS-1004-1124

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

Quick Cure Mortar Bed

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

Quick Cure Mortar Bed is a rapid setting, polymer fortified blend of carefully selected polymers, portland cement and graded aggregates. Quick Cure Mortar Bed does not require the use of latex admix; you only need to add water to produce thick bed mortar. It allows for foot traffic and walkability in as soon as 60 minutes for tile and shower system installs. Quick Cure Mortar Bed is versatile for use for both interior and exterior applications, wet or dry applications, bonded and non-bonded thick bed mortar applications, and shower systems.

Uses

- Interior and exterior applications
- Wet and dry applications
- Bonded and non-bonded thick bed mortar applications
- Conventional thick bed mortar applications
- Concrete repairs

Advantages

- Rapid setting – ready for foot traffic in as soon as 60 minutes
- Polymer fortified – no need for latex additives
- Premixed – no job site blending of powders required
- Can be used in connection with HYDRO BAN® Quick Cure for faster shower system installation
- Excellent for ramping and pitching down to a feather edge when used in a bonded mortar bed assembly with a slurry bond coat of LATICRETE 254 Platinum

Suitable Substrates

- Concrete
- Ceramic Tile and Stone
- Ceramic Tile and Stone
- Concrete Masonry
- Brick Masonry
- Exterior Glue Plywood (Interior Only)
- Cement Mortar Bed
- Cement Backer Board
- Cement Plaster
- Cement Terrazzo

Packaging

60 lb (27.2 kg) bag;

Approximate Coverage

14 ft ² at 1/2" (1.3 m ² at 12 mm)
7 ft ² at 1" (0.7 m ² at 25 mm)
3.5 ft ² at 2" (0.3 m ² at 50 mm)

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.

Limitations

- Use LATAPOXY® 300 Adhesive for installing green marble or moisture sensitive stone, agglomerates, and resin backed tile or stone.
- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.

- 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 (see Section 10 FILING SYSTEMS).

Cautions

- Consult SDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Allow a minimum 14 day cure at 70°F (21°C) after the final grouting period prior to filling water features with water.
- Contains portland cement and silica sand. Causes severe skin burns and serious eye damage. 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

VOC/LEED Product Information

VOC Content: 0.00 g/L

Applicable Standard

- ASTM C270

Physical Properties

28 Day Compressive Strength ASTM C270	3800-4000 psi (26.2–27.6 MPa)
Water Absorption ANSI A118.7.3.4	5%
Shrinkage 7 Day Cure ASTM C-157	0.03%
Flexural Strength ANSI A118.7.3.5	840-950 psi (5.8-6.6 MPa)

Working Properties

Pot Life	30 minutes
Time to Foot Traffic	As soon as 60 minutes
Time to Heavy Traffic	8 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.

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5. INSTALLATION

Surface Preparation

All surfaces should be between 40°F (4°C) and 90°F (32°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 EJ- 171 “Movement joints-Vertical & Horizontal”. Do not cover expansion joints with mortar.

Application

Mortar Bed

- **Mixing Mortar Bed—Dry Pack Consistency for Floors**
Mix a 60 lb bag (27.2 kg) of Quick Cure Mortar Bed to 1.6 – 2.6 qt. (1.8 – 2.1 L) of water. Mix to a stiff, semi-dry consistency. Mix ratio may vary dependent upon weight of finish.
- **Bonded Mortar Bed—Installation**
Before placing mortar, apply a slurry bond coat made from 254 Platinum. While the slurry bond coat is wet, spread the mortar and compact well. If placing tile immediately, apply a slurry bond coat, made from either 254 Platinum. While the slurry bond coat is wet and sticky, place the tile and beat in well. Refer to TDS 143 "Slurry Bond Coats – When & What to Use" for more information on slurry bond coats.
- **Unbonded Mortar Bed—Installation**
Before placing mortar, place a cleavage membrane (e.g. 4 mil thick polyethylene sheeting or 15 lb, builder felt) on the substrate. Place mortar over the cleavage membrane (approximately 1/2 the depth of the mortar bed). Next, place 2" x 2" (50 mm x 50 mm), 16 gauge 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 2" (50 mm). If placing tile immediately, apply a slurry bond coat, made from either 254 Platinum. While the slurry bond coat is wet and sticky, place the tile and beat in well.

Mixing Wall Renders

- Mix a 60 lb bag (27.2 kg) of Quick Cure Mortar Bed to 2.6 – 2.8 qt. (2.2 – 2.6L) of water. Mix to a plastic consistency.

Quick Cure may be applied with a flat steel trowel or rubber float.

Note: If applying HYDRO BAN Waterproofing Membrane over Quick Cure Mortar Bed; allow mortar bed to cure 24 hours at 70°F (21°C) prior to the installation of the membrane.

Best results are obtained when mortar bed is slick troweled smooth and compacted so that minimal loose mortar granules exist on the surface. If needed, you can also vacuum or broom off the mortar bed before the first layer of HYDRO BAN or HYDRO BAN Quick Cure.

Cleaning

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

- **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 1/2" (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 5/8" (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 a minimum of 60 minutes at 70°F (21°C) prior to the installation of tile.

Concrete Repair and Resurfacing

- **Leveling Mortar Consistency** Mixing Leveling Mortars Mix a 60 lb bag (27.2 kg) of Quick Cure Mortar Bed to 2.6 – 2.8 qt. (2.2 – 2.6L) of water. Mix to a plastic consistency. Mix ratio may vary dependent upon weight of finish.

- **Concrete Repair and Resurfacing – Installation** Before placing mortar, apply a slurry bond coat made from 254 Platinum. 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.

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 90°F (32°C).

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

Note: If applying HYDRO BAN® Quick Cure Waterproofing Membrane over Quick Cure Mortar Bed; allow mortar bed to set firm prior to the installation of the membrane to the point where no physical indenting of the mortar bed occurs. This could be as soon as 60 minutes at 70°F (21°C). For best results, in lieu of using a brush or roller on the first application, HYDRO BAN

6. AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

- 1 Year Product Warranty (US) (English)
- 5 Year System Warranty (US) (English)
- 10 Year System Warranty (US) (English)
- LATICRETE Lifetime System Warranty (US) (English)

8. 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.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235

Telephone: +1.203.393.0010, ext. 1235

Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- DS 230.05: LATICRETE 5 Year System Warranty (United States and Canada)
- DS 230.15: LATICRETE 15 Year System Warranty (For Steel or Wood Framed Exterior Facades) (United States and Canada)
- DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)
- DS 230.99: LATICRETE Lifetime System Warranty
- DS 230.1: 4237 Latex Additive
- DS 236.0: 9235 Waterproofing Membrane
- DS 239.0: 211 Powder
- DS 633.0: LATAPOXY 300 Adhesive
- DS 663.0: HYDRO BAN®
- DS 677.0: 254 Platinum
- TDS 143: Slurry Bond Coats When & What to Use

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