



3701 Lit de mortier renforcé

DS-100F-0823

**Globally Proven
Construction Solutions**



1. NOM DU PRODUIT

3701 Lit de mortier renforcé

2. FABRICANT

LATICRETE International, Inc.

1 LATICRETE Park North

Bethany, CT 06524-3423 États-Unis

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3. DESCRIPTION DU PRODUIT

3701 Fortified Mortar is a polymer fortified blend of carefully selected polymers, portland cement and graded aggregates. 3701 Fortified Mortar does not require the use of latex admix, you only need to add water to produce thick bed mortar with exceptional strength. 3701 Fortified Mortar is an approved substitute for 226 Thick Bed Mortar mixed with 3701 Mortar Admix.

Utilisation

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

Avantages

- Polymer fortified – no need for latex additives
- Premixed – no job site blending of powders required
- Economical – saves time and money
- High strength formula
- Pumpable for large scale veneer projects
- Exceeds ASTM C270 requirements
- For use as a scratch or finish coat in place of Type S or Type N mortar

- Excellent for ramping and pitching - can be used in a bonded mortar bed assembly with a slurry bond coat of LATICRETE 254 Platinum down to a feather edge

Supports Appropriés

Conditionnement

Sac de 27,3 kg (60 lb)

Couverture approximative

12 ft ² at 1/2" (1.1 m ² at 12 mm)
6 ft ² at 1" thickness (0.56 m ² at 25 mm)
3 ft ² at 2" (0.3 m ² at 50 mm)

Restrictions

- 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).
- 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)

Mises en garde

- 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 skin burns and serious eye damage. Wear protective

gloves, protective clothing, and eye protection. In case of contact, flush thoroughly with water.

- Do not take internally. Silica sand may cause cancer, respiratory irritation or serious lung problems. Do not breathe dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

4. DONNÉES TECHNIQUES

Informations COV/LEED sur le produit

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

Propriétés physiques

Water Absorption ANSI A118.7.3.4	5%
28 Day Compressive Strength ASTM C270	4000–5000 psi (27.6–34.5 MPa)
Flexural Strength ANSI A118.7.3.5	1100–1200 psi (7.5–8.3 MPa)
Shrinkage 7 Day Cure ASTM C-157	0.05%
TCNA Service Rating ASTM C-627	Extra Heavy

Propriétés d'utilisation

Pot Life	2 hours
Time to Foot Traffic	16 hours
Time to Heavy Traffic	72 hours

Caractéristiques sous réserve de modification sans préavis. Les résultats présentés sont typiques, mais ils reflètent les procédures d'essai utilisées. Les performances réelles sur le terrain dépendent des méthodes de pose et des conditions locales.

5. POSE

• 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 3701 Fortified Mortar with 2 – 3.2 quarts (1.9 – 3 L) of water for 2 to 3 minutes. Mix to a stiff, semi-dry consistency. Allow to slake for 5 minutes. Remix for another 2 to 3 minutes without adding any water or powder. 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 254 Platinum in the mortar. 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 254 Platinum to the mortar. While the slurry bond coat is wet and sticky, place the tile and beat in well.

• Wall Renders

Mixing Wall Renders: Mix a 60 lb bag (27.2 kg) of 3701 Fortified Mortar with 3.2 – 3.6 quarts (3 – 3.4L) of water for 2 to 3 minutes. Mix to a plastic consistency. Allow to slake for 5 minutes. Remix for another 2 to 3 minutes without adding any water or powder. Mix ratio may vary dependent upon weight of finish.

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 24 hours at 70°F (21°C) prior to the installation of tile.

As a Pumped Mortar for Renders and

Plaster: Pumping of 3701 Fortified Mortar should be done when using a liquid plasticizer/pump aid. Confirm with manufacturer of pump aid for compatibility with polymer fortified mortar mixes. Approximate coverage for 7 – 60 lb. (27.2 kg) bags of mortar will be 45 ft² (4.2 m²) at 1" (25 mm) thick. Coverage will vary according to mixing, pumping, placement, job site conditions and rebound. Do not exceed 5/8" (15 mm) thickness per lift/application of pumped render. Scratch up previous lift prior to placing subsequent lifts.

• Concrete Repair

Concrete Repair and Resurfacing – Leveling Mortar Consistency – Mix a 60 lb bag (27.2 kg) of 3701 Fortified Mortar with 3.2 – 3.6 quarts (3 – 3.4L) of water for 2 to 3 minutes. Mix to aplastic consistency. Allow to slake for 5 minutes. Remix for another 2 to 3 minutes without adding any water or powder. 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.

• Cleaning

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

6. DISPONIBILITÉ ET COÛT

Disponibilité

Les produits LATICRETE® et LATAPOXY® sont proposés dans le monde entier.

Appeler un des numéros suivants pour obtenir des informations relatives aux distributeurs:

Numéro sans frais: 1.800.243.4788

Téléphone: +1.203.393.0010

Pour obtenir de l'information en ligne de distributeurs, visiter LATICRETE à l'adresse suivante laticrete.com

Coût

Communiquez avec le distributeur LATICRETE le plus proche.

7. GARANTIE

Voir 10. SYSTÈME DE CLASSIFICATION:

- 1 Year Product Warranty (US - English)
- 5 Year System Warranty (US - English)
- 10 Year System Warranty (US - English)
- 25 Year System Warranty (US - English)
- LATICRETE Lifetime System Warranty (US - English)
- 15 Year MVIS System Warranty for Steel or Wood Framed Exterior Facades (US - English)

8. ENTRETIEN

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. SERVICES TECHNIQUES

Soutien technique

Pour tout renseignement, appeler la ligne d'aide du service technique de LATICRETE:

Numéro sans frais: 1.800.243.4788, ext. 1235

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Télécopieur: +1.203.393.1948

Documentation technique et de sécurité

Pour obtenir la documentation technique et les consignes de sécurité, visiter notre site Web à laticrete.com.

10. SYSTÈME DE CLASSIFICATION

Des informations supplémentaires sur les produits sont disponibles sur notre site Web à laticrete.com. Liste des documents connexes:

- 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 236.0: 9235 Waterproofing Membrane
- 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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