



317 Boue pour planchers

DS-317F-0524

**Globally Proven
Construction Solutions**



1. NOM DU PRODUIT

317 Boue pour planchers

2. FABRICANT

LATICRETE International, Inc.

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Bethany, CT 06524-3423 États-Unis

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3. DESCRIPTION DU PRODUIT

317 Mortar is a bagged cementitious powder. It is mixed with either water or latex admixture for installing ceramic tile and stone using the thin-set method of installation. 317 Mortar must be fortified with 333 Super Flexible Additive or 3701 Mortar Admix for exterior use, porcelain, mosaic, glass and stone tiles, and heavy traffic areas.

Utilisation

- Designed for floors and walls, interior and exterior applications.

Avantages

- Excellent non-sag formula for wall applications
- Smooth, easy to trowel formula
- Dual purpose, for walls and floors

Supports Appropriés

Conditionnement

Sac de 22,7 kg (50 lb)

Couverture approximative

Approximately 75-90 ft² (7.0-8.4 m²) per 50 lb (22.7 kg.) bag with 1/4" x 1/4" (6 mm x 6 mm) square notch trowel.

Approximately 55-65 ft² (5.1-6 m²) per 50 lb (22.7 kg.) bag with 1/4" x 3/8" (6 mm x 9 mm) square notch trowel.

Restrictions

- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- For light-colored marble or stone, use 317 Mortar in white.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproofing membranes. When a waterproofing barrier is required, use a Waterproofing Membrane (see Section 10 FILING SYSTEM).
- For exterior use, fortify with 333 Super Flexible Additive or 3701 Mortar Admix.
- DO NOT bond to particle board, luan, Masonite® or hardwood surfaces.
- For installations in submerged applications, mix with 3701 Mortar Admix. Wait 14 days after the final grouting period before filing water features with water at 70°F (21°C).
- 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.
- Protect finished work from traffic or damage by other trades for an extended period of time during cold weather conditions. At room temperature conditions (70°F [21°C]) protect overnight.
- Contains portland cement and silica sand. Causes severe 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.
- Use a white mortar for white and light colored marble and stone.
- Use LATAPOXY® 300 Adhesive for installing green marble, water sensitive stone and agglomerates and resin backed tiles and stones. (Refer to Data Sheet 633.0).
- 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.

Total VOC Content of product in unused form is 0.00 lb/gal (0.00 g/L).

Propriétés physiques

317 Mortar when mixed with water

Test	Test Method	Results	Specification
28 day Cure Porcelain Tile Shear Strength	ANSI A118.1 5.2.4	175–220 psi (1.2–1.5 MPa)	>150 psi (1.0 MPa)
Shear Bond Porcelain Tile Water Immersion		100–200 psi (0.69–1.37 MPa)	>100 psi (0.69 MPa)
7 day Cure Porcelain Tile Shear Strength	ANSI A118.1 5.2.2	150–200 psi (1.0–1.37 MPa)	>150 psi (1.0 MPa)

From report on NAP245

Propriétés d'utilisation

317 Mortar when mixed with water (70°F [21°C])

Open Time	60 minutes
Pot Life	4 hours
Time to Heavy Traffic	24 hours
Wet Density	108 lbs/ft ³ (1732 kg/m ³)

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, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with 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. New concrete slabs shall be damp cured and 28 days old before application.

Note: Latex portland cement mortars do not require a minimum cure time for concrete slabs. All slabs must be plumb and true to within 1/4" (6 mm) in 10 ft (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.

1. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length.

2. Minimum construction for interior plywood floors.

SUBFLOOR: 5/8" (15 mm) thick exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 16" (400 mm) o.c. maximum; fasten plywood 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) between sheet ends and 1/4" (6 mm) between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive.

UNDERLAYMENT: 5/8" (15 mm) thick exterior glue plywood fastened 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws);

allow 1/8" (3 mm) to 1/4" (6 mm) between sheets and 1/4" (6 mm) between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Bonding Ceramic Tile, Stone or Brick Over Wood Floors" for complete details.

Mixing

Place clean, potable water or a latex admix into a clean pail. Add 317 Mortar. Use approximately 1.5 - 1.75 gallons (5.7 - 6.6 L) of water for 50 lbs (22.7 kg) of powder. (To mix smaller quantities use 2.9 parts powder to 1 part water.)

Note: For improved bond strength, flexibility and for exterior installations use 3701 Mortar Admix. For interior installations to plywood use 333 Super Flexible Additive. Mix by hand or with a slow speed mixer 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.

Application

Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side.

Note: Use the proper sized notched trowel to ensure full bedding of the tile. Spread as much mortar as can be covered with tile in 15–20 minutes. Back butter large tiles > 8" x 8" (> 200 mm x 200 mm) to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to embed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile. If mortar is skinned over (not sticky), remove and replace with fresh mortar.

Grouting

Grout installation after a minimum of 24 hours curing time at 70°F (21°C). Grout with SPECTRALOCK® PRO Premium Grout†, SPECTRALOCK PRO Grout†, PERMACOLOR® Grout mixed with water or 1500 Sanded Grout or 1600 Unsanded Grout gauged with 1776 Grout Enhancer or with water.

Cleaning

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

6. DISPONIBILITÉ ET CÔÛT

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:

- 5 Year System Warranty (US) (English)
- 1 Year Product Warranty (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

Téléphone: +1.203.393.0010, ext. 1235

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 230.05APD: 5 Year Tile & Stone System Warranty
- DS 231.0: 3701 Mortar Admix
- DS 236.0: 9235 Waterproofing Membrane
- DS 250.0: PERMACOLOR Grout?
- DS 256.0: 1500 Sanded Grout
- DS 258.0: 1600 Unsanded Grout
- DS 264.0: 101 Rapid Latex Admix
- DS 265.0: 1776 Grout Enhancer
- DS 266.0: 333 Super Flexible Additive
- DS 633.0: LATAPOXY 300 Adhesive

- DS 663.0: HYDRO BAN®
- DS 681.0: SPECTRALOCK PRO Premium Grout†
- DS 685.0: SPECTRALOCK PRO Grout†
- TDS 152: “Bonding Ceramic Tile, Stone or Brick Over Wood Floors”

LATICRETE International, Inc.

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