

1. PRODUCT NAME

LATICRETE® 317 Floor N' Wall Thin Set Mortar

2. MANUFACTURER

LATICRETE Pty Ltd
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 Footscray West. VIC. 3012.
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3. PRODUCT DESCRIPTION

LATICRETE 317 Floor N' Wall Thin Set Mortar is a bagged cementitious powder to be mixed with either water or latex admixtures for installing ceramic tile and natural stone using the thin-set method of installation. Must fortify with LATICRETE 333 Super Flexible Additive or LATICRETE Latabond Mortar Admix for exterior use, impervious tiles, porcelain, mosaic, glass and stone tiles, and heavy traffic areas.

Uses

Designed for floors and walls, interior and exterior applications.

Advantages

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

Suitable Substrates

- Concrete
- Ceramic Tile and Stones***
- Exterior Grade Plywood**
- Concrete Masonry
- Brick Masonry
- Cement Mortar Beds
- Cement Backer Board****
- Gypsum Wallboard*
- Cement Plaster
- Cement Terrazzo

*Interior Use Only

**When mixed with LATICRETE 333 Super Flexible Additive. Interior use only.

***When mixed with LATICRETE Latabond Mortar Admix.

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

Packaging

20 kg bags, 56 bags per pallet
 Colors: off white and white.

Coverage

Approximately 6.5 – 7.5 m² per 20 kg. bag with 6mm x 6 mm square notch trowel.

Approximately 4.5 – 5.5 m² per 20 kg. bag with 6mm x 9mm square notch trowel.

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

- For green or other moisture sensitive marbles, use LATAPOXY® 300 Epoxy Adhesive.

- For light colored marble or stone, use LATICRETE 317 Floor N' Wall Thin-Set Mortar: white.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes. When a waterproof barrier is required, use a LATICRETE Waterproof Membrane.
- For exterior use, fortify with LATICRETE 333 Super Flexible Additive or LATICRETE Latabond Mortar Admix.
- 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.

Cautions

- Protect finished work from traffic or damage by other trades for an extended period of time during cold weather conditions. At room temperature conditions 20°C, protect overnight.
- 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

ANSI A118.1- 1999

Performance Properties

LATICRETE 317 Floor N' Wall Thin-Set Mortar when mixed with Water

Test/Test Method	Results
Shear Bond, Porcelain Tile, 28 day cure ANSI A118.1-1999; C-5.2.4	>1 MPa
Shear Bond, Porcelain Tile, Water immersion ANSI A118.1-1999; C-5.2.3	>0.7 MPa
Water Absorption ANSI A118.6- 1999; H-4.4	14%
Compressive Strength ANSI A118.4-1999; F-6.1(modified)	13.8 MPa

Working Properties

LATICRETE 317 Floor N' Wall Thin-Set Mortar when mixed with Water 21°C

Open Time	60 minutes
Pot Life	4 hours
Time to Heavy Traffic	24 hours
Wet Density	1732 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

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. Rough or uneven concrete surfaces should be made smooth with LATICRETE 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. All slabs must be plumb and true to within 6mm in 3m. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow Australian Standards.

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. **DO NOT** bond to particle board, luan, Masonite® or hardwood surfaces **For green and moisture sensitive marbles, use LATAPOXY® 300 Epoxy Adhesive, refer to Data Sheet 633.0.**

Mixing - Stir LATICRETE 317 Floor N' Wall Thin-Set Mortar thoroughly before use.

Place clean, potable water or a LATICRETE latex admix into a clean pail. Add LATICRETE 317 Floor N' Wall Thin-Set Mortar. Use approximately 5.7-6.6 litres of water for 20 kg of powder. Note: For improved bond strength, flexibility and for exterior installations use LATICRETE Latabond Mortar Admix. For interior installations to plywood use LATICRETE 333 Super Flexible Additive. For rapid "Open to Traffic" installations use LATICRETE 101 Rapid Set Latex Admix. 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 insure full bedding of the tile. Spread as much mortar as can be covered with tile in 15-20 minutes. Back butter large tiles >200mm x 200mm to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to imbed 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 21°C. Grout with LATICRETE Sanded or Unsanded Grout mixed with LATICRETE 1776 Grout Admix Plus. For maximum stain resistance use LATAPOXY SpectraLock Pro Grout .

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, call:

Toll Free: 1800331012

Telephone: 03 99336111

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

Cost

Contact a LATICRETE/LATAPOXY Distributor in your area.

7. WARRANTY

LATICRETE International warrants that LATICRETE 317 Floor N' Wall Thin-Set Mortar is free from manufacturing defects and will not to 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 in the LATICRETE Product Warranty. In addition, when used as a component of a LATICRETE System Installation, that LATICRETE 317 Floor N' Wall Thin-Set Mortar, is warranted for a period of ten (10) years from the date of purchase subject to the terms and conditions stated in Data Sheet 230.10Saus LATICRETE System Warranty.

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

(hours 8:00 AM to 5:00 PM EST):

Toll Free: 1800331012

Telephone: 03 99336111

FAX: 03 99336199