

### 1. PRODUCT NAME

LATICRETE® 4237 Latex Thin-Set Mortar Additive

### 2. MANUFACTURER

LATICRETE Pty Ltd  
 464 Geelong Road,  
 Footscray West. VIC. 3012.  
 Telephone: 03 99336111  
 Toll Free: 1800331012  
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### 3. PRODUCT DESCRIPTION

LATICRETE 4237 Latex Thin-Set Mortar Additive is a specially designed latex additive for use with LATICRETE 211 Crete Filler Powder\* to make high strength latex thin-set bed up to 3mm thick and medium bed up to 15mm thick mortars. For installing all types of ceramic tile, natural stone and agglomerates. Also for use with Portland cement to make slurry bond coats for mortar beds and with thin set mortars to give improved performance and longer open time.

\*To achieve longer open time under tropical or desert conditions, the use of LATICRETE Thin-Set Mortar (LATICRETE 317 Floor N' Wall Thin-Set Mortar or LATICRETE 290 Premium Floor N' Wall Thin-Set Mortar) is recommended instead of LATICRETE 211 Crete Filler Powder. Alternate Filler powder: One (1) part Portland Cement and One (1) part Fine Sand (0-0.6mm).

**Uses** - Used for installation of all types of ceramic tile, brick, natural stone and agglomerates. LATICRETE 4237 Latex Thin-Set Mortar Additive offers the speed and economy of adhesives with the permanent, water resistant dependability of Portland cement.

#### Advantages

- Superior bond strength - 250% greater than ANSI A118.4 (American National Standard Specification for Latex Portland Cement Mortar).
- Flexible and shock resistant; rated for extra heavy traffic conditions.
- Weather and frost resistant for interior and exterior use in all types of climates.
- Proven performance; used in all types of applications for over 40 years.
- Safe, economical and easy to use; non-hazardous, non-flammable.

#### Suitable Substrates

- Concrete
- Brick Masonry
- Concrete Masonry
- Cement Mortar Beds
- Gypsum Wallboard (Interior Only)
- Cement Terrazzo
- Cement Plaster
- Cement Backer Board\*
- Ceramic Tile and Stone

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

#### Packaging

1 litre and 7 litre jugs  
 19 litre Pail, 36 per pallet

#### Approximate Coverage

25 - 30 m <sup>2</sup> per 19 litre pail using 6 x 6 mm square notch trowel When mixed with 75kgs of 211 Crete filler powder
18 - 23 m <sup>2</sup> per 19 litre pail using 6 x 9 mm square notch trowel When mixed with 75kgs of 211 Crete filler powder

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for five (5) years if stored indoors and off the ground at temperatures > 0°C and < 43°C.

#### Limitations

- Use LATAPOXY® 300 Epoxy Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Use a white thin set mortar when installing white or light colored natural stone.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes.
- 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

- During cold weather, protect finished work from traffic until fully cured.
- Keep out of reach of children.

### 4. TECHNICAL DATA

#### Applicable Standards

ANSI A118.4-1999; CTI-64-1; BS5980: 1980 (Type 3, Class AA); DIN 18156 Teil 2; UEAtc 21:82 (Class C); CSTB 13/94-588

#### Performance Properties

LATICRETE 4237 Latex Thin-Set Mortar Additive mixed with LATICRETE 211 Crete Filler Powder

Test/Test Method	Results
Shear Bond, Porcelain Tile, 28 day cure ANSI A118.4-1999; F-5.2.4	3.5 MPa
Shear Bond, Porcelain Tile, Water Immersion ANSI A118.4-1999; F-5.2.3	2.3 MPa
Water Absorption ANSI A118.6-1999;H 4.4	4% max.
Compressive Strength ANSI A118.4-1999; F-6.1	34.5 MPa
TCA Service Rating ASTM C-627	Extra Heavy
Tensile Bond BS 5980:1980 Class AA; 14 days	1575 N
Shear Adhesion BS 5980:1980 Class AA; 14 days	22.8 kN
Coefficient of Linear Thermal Expansion ASTM C-531	117x10 <sup>-7</sup> /(°C)

## Working Properties

LATICRETE 4237 Latex Thin-Set Mortar Additive mixed with LATICRETE 211 Crete Filler Powder (21°C)

Open Time	50 minutes
Pot Life	5 hours
Time to Heavy Traffic	24 hours
Wet Density	1637 kg/m <sup>3</sup>

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. Note: Latex Portland Cement Mortars do not require a minimum cure time for concrete slabs. 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 the Australian Standards AS3958.1-1991, AS3958.2-1992 and designers "Requirements for Expansion Joints". Do not cover expansion joints with mortar.

### Mixing- Stir LATICRETE 4237 Latex Thin-Set Mortar Additive thoroughly before use.

Use approximately 1 gallon 4 litres of LATICRETE 4237 Latex Thin-Set Mortar Additive to 16 kg of LATICRETE 211 Crete Filler Powder. Place LATICRETE 4237 Latex Thin-Set Mortar Additive in a clean plastic pail. Do not dilute. Add LATICRETE 211 Crete Filler Powder to LATICRETE 4237 Latex Thin-Set Mortar Additive and mix 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. It is essential that enough mortar is used to completely cover the back of the tile with a minimum 2mm to 3mm uniform thickness. 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.

### 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.

**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. For faster setting mortar use LATICRETE Thin-Sets with LATICRETE 101 Rapid-Set Latex Admix. Do not set tile when surface temperature is below freezing or when substrate is frozen.

**Hot Weather Note:** The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work when installing in temperatures over 35°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, call:  
Toll Free: 1800 331012  
Telephone: 03 99336111  
For on-line distributor information, visit LATICRETE at [www.laticrete.com](http://www.laticrete.com)

**Cost** - Contact a LATICRETE/LATAPOXY Distributor in your area.

## 7. WARRANTY

LATICRETE International, Inc. warrants that LATICRETE 4237 Latex Thin-Set Mortar Additive is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of ten (7) years from date of purchase subject to the terms and conditions stated in Data Sheet 230.7Paus LATICRETE Product Warranty. In addition, when used as a component of a LATICRETE System Installation, LATICRETE 4237 Latex Thin-Set Mortar Additive 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;

Toll Free: 1800331012  
Telephone: 03 99336111  
FAX: 03 99336199  
Email: [techservice@laticrete.com.au](mailto:techservice@laticrete.com.au)