



Globally Proven  
Construction Solutions

## 4237 Thin Set Mortar Additive

4237 Thin Set Mortar Additive is a specially designed latex additive for use with 211 Crete Filler Powder to make high strength latex thin-set bed up to 3 mm and medium bed up to 15 mm mortars. For installing all types of ceramic tile, natural stone, mosaic and agglomerate. 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, contact your local LATICRETE Technical Services office.



### FEATURES/BENEFITS

- Superior bond strength — 250% greater than ANSI A118.4
- 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 50 years.
- Safe, economical and easy to use; non-hazardous, non-flammable.
- Recommended for wet and dry areas

### MANUFACTURER/ DISTRIBUTED BY

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### USES

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

### STANDARDS/CERTIFICATIONS

- BS EN 1348
- BS EN 1346
- BS EN 1308
- BS EN 12002
- ANSI 118.4, American National Standard Specifications for Modified Dry-Set Cement Mortar



This product has been certified green under the UL GREENGUARD Certification Program and Singapore Green Building Council.

### Suitable Substrates

- Concrete
- Brick Masonry
- Concrete Masonry
- Cement Mortar Beds
- Drywall Boards\*
- Cement Terrazzo
- Cement Plaster
- Cement Backer Board\*\*
- Ceramic Tile and Stone

\* Consult Laticrete Technical Services for more information.

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

### Packaging

20e /pail, 36 pails per pallet.

210e /drum, 4 drums per pallet.

### Approximate Coverage

A drum of 4237 Thin Set Mortar Additive will yield a coverage of 300m<sup>2</sup> when mixed with 211 Crete Filler Powder using a 6mm x 6mm square notch trowel.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored indoors and off the ground at temperatures >0°C and <40°C.

### Limitations

- Use LATAPOXY® 300 Adhesive for installing green marble, water sensitive stone and agglomerates and resin backed tile or stone.
- 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 waterproofing membranes. When a waterproofing membrane is required, use LATICRETE® Waterproofing Membrane.
- 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

Consult MSDS for more safety information.

- During cold weather, protect finished work from traffic until fully cured.
- Wait 14 days after the final grouting period before filing water features with water at 21°C
- Keep out of reach of children.

### TECHNICAL DATA

#### Performance Properties

4237 Thin Set Mortar Additive mixed with 211 Crete Filler Powder.

Test	Test Method	Specification	Results
Tensile Adhesion Strength (28 days)	EN 1348	≥1N/mm <sup>2</sup>	>2.5N/mm <sup>2</sup>
Tensile Adhesion after Water Immersion (28 days)	EN 1348	≥1N/mm <sup>2</sup>	>1.3N/mm <sup>2</sup>
28 days Tensile Adhesion after Heat Ageing	EN 1348	≥1N/mm <sup>2</sup>	>2.3N/mm <sup>2</sup>
Open Time (30mins)	EN 1346	≥0.5N/mm <sup>2</sup>	>1.3N/mm <sup>2</sup>
Transverse Deformation	EN 12002	≥ 2.5mm	> 2.5mm
Slip Resistance	EN 1308	≤0.5mm	<0.5mm
Shear Bond Strength	ANSI 118.4	≥0.5N/mm <sup>2</sup>	>2.3N/mm <sup>2</sup>

#### Working Properties

4237 Thin Set Mortar Additive mixed with 211 Crete Filler Powder

Open Time (25°C)	30 minutes
Pot Life (25°C)	2 hours
Time to Light Traffic	24 hours

### INSTALLATION

#### Surface Preparation

All surfaces should be between 8°C and 35°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 6 mm in 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.

#### Mixing

Stir 4237 Thin Set Mortar Additive thoroughly before use.

Use approximately 5.6e - 6.0e of 4237 Thin Set Mortar Additive to 23kg of 211 Crete Filler Powder.

Place 4237 Thin Set Mortar Additive in a clean plastic pail. Do not dilute. Add 211 Crete Filler Powder to 4237 Thin Set Mortar Additive and mix to a smooth, trowelable consistency. Allow mortar to slake for

3–5 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel. **Please do not mix other aggregates such as cement or sand etc to 4237 Thin Set Mortar Additive.**

#### 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 mins.

Back butter large tiles >300 mm x 300 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 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 1500 Sanded Grout or 1600 Unsanded Grout mixed with 1776 Grout Enhancer. For maximum stain resistance use SpectraLOCK<sup>®</sup> PRO Grout.

† United States Invention Patent No.: 6881768 (and other Patents)

#### 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 4237 Rapid Set Thin Set Mortar Additive. **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.

### AVAILABILITY AND COST

#### Availability

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

**Telephone:** (65) 6515-3028

**Fax:** (65) 6515-3037

For on-line distributor information, visit LATICRETE at [se.laticrete.com](http://se.laticrete.com)

#### Cost

Contact a LATICRETE Distributor in your area.

#### WARRANTY

LATICRETE South East Asia Pte Ltd warrants that 4237 Thin Set Mortar Additive is free from manufacturing defects and will not 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.

#### 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.

### TECHNICAL SERVICES/ CONTACT

#### Technical Assistance

Information is available by calling:  
LATICRETE South East Asia Pte Ltd  
(Level 2, A3)

No. 38 Sungei Kadut, Street 2,  
Singapore 729245

Telephone: (65) 6515-3028

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#### Technical and safety literature

To acquire technical and safety literature, please visit our website at [se.laticrete.com](http://se.laticrete.com)