

1. PRODUCT NAME

LATICRETE® 4237RS Rapid Latex Thin-Set Mortar Additive

2. MANUFACTURER

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

LATICRETE 4237RS Rapid Latex Thin-Set Mortar Additive is a specially designed latex additive for use with LATICRETE 211 Crete Filler Powder to make high strength rapid setting latex thin-set mortar bed up to 3mm thick and medium bed up to 15mm thick mortars. For installing all types of ceramic tile and 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.

Uses

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

Advantages

- High Strength
- Rapid Setting
- Weather Resistant

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

19 litre pail, 48 per pallet

Coverage

5.1-6 m ² per 3.8 litres with a 6 x 6 mm square notch trowel
3.7-4.6 m ² per 3.8 litres using 6 x 9 mm square notch trowel

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for One (1) year if stored 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. When a waterproof membrane is required, use a LATICRETE Waterproof 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

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

4. TECHNICAL DATA

Applicable Standard

ANSI A118.4-1999

Performance Properties

LATICRETE 4237RS Rapid Latex Thin-Set Additive mixed with LATICRETE 211 Crete Filler Powder @ 24°C

Test/Test Method	Results
Initial Set ANSI A118.4F-4.2.2	90 minutes
Final Set ANSI A118.4F-4.3.2	120 minutes
6 hour Shear Strength ANSI A118.4F-5.2.2 (modified)	1.58 Mpa
7 day shear strength ANSI A118.4F-5.2.2	5.07 Mpa
28 day shear strength ANSI A118.4F-5.2.4	5.72 MPa

Working Properties

LATICRETE 4237RS Rapid Latex Thin-Set Mortar Additive mixed with LATICRETE 211 Crete Filler Powder @ 24°C

Open Time	50 minutes
Pot Life	80 minutes
Time to Foot Traffic	4 hours
Wet Density	1637 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

Preparation

All surfaces should be between 4°C and 27°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 Australian Standards for Expansion Joint requirements or TCA Detail EJ171-97 "Expansion Joints". Do not cover expansion joints with mortar.

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

Use approximately 4 l of LATICRETE 4237RS Rapid Latex Thin-Set Mortar Additive to 16 kg of LATICRETE 211 Crete Filler Powder. Place LATICRETE 4237RS Rapid Latex Thin-Set Mortar Additive in a clean plastic pail. Do not dilute. Add LATICRETE 211 Crete Filler Powder to LATICRETE 4237RS Rapid Latex Thin-Set Mortar Additive and mix to a smooth, trowelable consistency. Allow mortar to slake for 5 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 5-10 minutes. Back butter large tiles (<200 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 4 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. 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:

Toll Free: 1800331012
Telephone: 03 99336111
Email: laticreteoz@laticrete.com.au

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

7. WARRANTY

LATICRETE 4237RS Rapid Latex Thin-Set Mortar Additive is guaranteed by the manufacturer not to bread down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of installation. A component of the LATICRETE 10 Year Systems Warranty. Contact manufacturer for full details.

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:

Toll Free: 1800331012
Telephone: 03 99336111
FAX: 03 99336199
Email: techservcie@laticrete.com.au