



4237 Latex Additive

DS-1079-0612



1. PRODUCT NAME

LATICRETE® 4237 Latex Additive

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

LATICRETE 4237 Latex 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 3 mm thick and medium bed up to 15 mm 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 for use with thin set adhesives to give improved performance and longer open time.

To achieve longer open time under tropical or desert conditions, the use of LATICRETE Thin-Set Adhesive (LATICRETE Ultra X8 Polymer Fortified Flexible Adhesive or LATICRETE 290 Super Floor & Wall Thin-Set Adhesive) is recommended instead of LATICRETE 211 Crete Filler Powder.

Uses

Used for installation of all types of ceramic tile, brick, natural stone and agglomerates. LATICRETE 4237 Latex Additive offers the speed and economy of adhesives with the permanent, water resistant dependability of Portland cement. Can also be mixed with LATICRETE PermaColor™ Grout for the installation of paper face mounted glass mosaic tiles.

Advantages

- Superior bond strength.
- 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.

Suitable Substrates

- Concrete
- Cement terrazzo
- Brick masonry
- Cement plaster
- Concrete masonry
- Cement backer board*
- Cement mortar beds
- Ceramic tile and stone
- Gypsum wallboard (interior only)

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

Packaging

19 litre pail; 32 pails per pallet

Approximate Coverage

Per 19 litre pail of LATICRETE 4237 Latex Additive when mixed with 75 kg of LATICRETE 211 Crete Filler Powder

25 – 30 m² using a 6 mm x 6 mm square notched trowel

18 – 23 m² using a 6 mm x 9 mm square notched trowel

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 Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Use a white thin set adhesive when installing white or light coloured natural stone.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproofing membrane is required, use a 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

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

4. TECHNICAL DATA

VOC

Green Building Council of Australia Green Star Office Design V3 IEQ-13

37 grams/litre as VOC content per coating

Working Properties

LATICRETE® 4237 Latex Additive mixed with LATICRETE 211 Crete Filler Powder at 21°C

Open Time	20 minutes
Pot Life	5 hours
Time to Heavy Traffic	24 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

Unless otherwise noted in this document all work shall be in accordance to AS3958.1 & 2

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 5 mm in 3 m. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow the Australian Standards requirements for Expansion Joints in AS3958.1 Section 5.4.5 and AS3958.2 Section 4.5 or TCNA detail EJ-171 "Movement Joints – Vertical & Horizontal". Do not cover expansion joints with mortar.

Mixing

Stir LATICRETE 4237 Latex Additive thoroughly before use.

Use approximately 5 litres of LATICRETE 4237 Latex Additive to 20 kg of LATICRETE 211 Crete Filler Powder. Place LATICRETE 4237 Latex Additive in a clean plastic pail. Do not dilute. Add LATICRETE 211 Crete Filler Powder to LATICRETE 4237 Latex 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.

Note: For the installation of paper-face mounted glass mosaic tile, mix approximately 2.5 litres of LATICRETE 4237 Latex Additive with 10 kg of LATICRETE PermaColor™ Grout.

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 2 mm to 3 mm uniform thickness. Spread as much mortar as can be covered with tile in 15 – 20 minutes. Back butter large tiles >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 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 PermaColor Grout; or, LATICRETE Sanded Grout or LATICRETE Smooth Grout mixed with LATICRETE 1776 Grout Enhancer. For maximum stain resistance use LATICRETE 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 a LATICRETE Thin-Set with LATICRETE 101 Rapid 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:

Toll Free: 1800 331 012
Telephone: 07 3865 1599

For online Distributor information, visit LATICRETE at www.laticrete.com.au

Cost

Contact a LATICRETE Distributor in your area.

7. 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.

8. TECHNICAL SERVICES

Technical assistance

Information is available by calling

Toll Free: 1800 331 012
Telephone: 07 3865 1599
Fax: 07 3865 2250

Technical and safety literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.au

9. DISCLAIMER

- The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.
- This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.

- The use of this product is beyond our control and liability is assumed by the user when used incorrectly and not in accordance with LATICRETE guidelines.
- The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.
- The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this specification.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY® 310 Stone Adhesive, LATAPOXY 300 Adhesive, LATICRETE® SpectraLOCK® PRO Grout, LATAPOXY SP-100 and LATICRETE SpectraLOCK 2000 IG will not contribute to any noticeable efflorescence.

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