



4237 LATEX ADDITIVE

DS-2301-0124

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

4237 LATEX ADDITIVE

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

4237 LATEX ADDITIVE is a specially designed latex additive for use with 211 POWDER to make high strength latex thin-set bed up to 3 mm and medium bed up to 15 mm mortars. This system can be used to install all types of ceramic tile, natural stone, and agglomerates and improves performance over traditional materials.

Uses

- For interior and exterior installations of all types of ceramic tile, brick, natural stone and agglomerates
- For walls and floors, wet and dry applications
- For use with Portland cement to make slurry bond coats for mortar beds
- For use with thin set mortars to give improved performance and longer open time
- Suitable for use in swimming pools and facades
- Please refer to the “Adhesive Selection Guide” in the product catalogue for a complete list of applications and maximum permitted sizes

Advantages

- Recommended for wet and dry areas
- Superior bond strength

- Flexible and shock resistant — rated for extra heavy traffic conditions (per ASTM C627 (TCNA))
- Weather and frost resistant for use in all types of climates
- Proven performance — used in all types of applications for over 60 years
- Safe, economical and easy to use — non-hazardous, non-flammable, and low VOC emissions
- Can be used as a slurry bond coat
- Available in rapid version (4237 RAPID LATEX ADDITIVE, EN 12004 C2F T S1)

Suitable Substrates

- Concrete
- Brick Masonry
- Concrete Masonry
- Cement Mortar Bed
- Gypsum Wallboard (Interior use only, non-wet areas)
- Cement Terrazzo
- Cement Plaster
- Cement Backer Board (Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use)
- Ceramic Tile and Stone

Packaging

- 20 kg pail; 36 pails per pallet
- 6.25 kg pail; 48 pails per pallet

Coverage / Consumption

- 5 - 6 kg/m² with a 10 x 10 mm notched trowel
- 7- 8 kg/m² with a 15 mm notched trowel

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (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.

Cautions

Consult SDS for more safety information.

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

4. TECHNICAL DATA



VOC/LEED Product Information

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program. For Chemical Emissions. For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

Applicable Standard

- EN 12004, C2 TE S1
- ANSI A118.4
- ASTM C-627
- BS5980: 1980 (Type 3, Class AA)
- ISO 9001:2015 Quality Management System

Physical Properties

4237 LATEX ADDITIVE mixed with 211 POWDER

Basis:	Polymers in aqueous dispersion		
Colour:	White		
Viscosity:	~ 12000 mPA.s at +20°C		
Apparent Density:	1,06 kg/L		
pH:	7,5		
Classification EN 12004-1:	C2 TE S1		
Tensile Adhesion Strength:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	≥ 1,0 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Open Time: Tensile Adhesion Strength after 30 min.:	≥ 0,5 N/mm ²	≥ 0,5 N/mm ²	12004-2 8,1
Transverse Deformation:	≥ 2,5 mm	≥ 2,5 mm	12004-2 8,4
Slip:	≤ 0,5 mm	≤ 0,5 mm	12004-2 8,2
Temperature Resistance:	From -30 °C to +90 °C		

Working Properties

Consistency:	Creamy
Wet Density:	~ 1.64 g/cm ³
Mix Ratio:	25,2% (6,3 lt latex per 25 kg bag)
Application Temperature:	From +5°C to +35°C
Working Time:	~ 180-240 min.
Open Time:	~ 30 min.
Maximum Thickness:	~ 15 mm
Time to Foot Traffic:	~ 24 hours
Time to Grouting: :	~ 24 hours
Time to Full-Service Conditions:	~ 7 days
Final Hardening:	~ 28 days

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, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with 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 either local standard or design requirement for movement and expansion joints (i.e. UNI 11493-1:2016, 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 LATEX ADDITIVE thoroughly before use.

Use approximately 6 - 6.5 kg of 4237 LATEX ADDITIVE to 25 kg of 211 POWDER. Place 4237 LATEX ADDITIVE in a clean plastic pail. **Do not dilute.** Add 211 POWDER to 4237 LATEX ADDITIVE and mix to a smooth, trowelable consistency. Allow mortar to slake for 2–3 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 2 mm to 3 mm uniform thickness. Spread as much mortar as can be covered with tile in 15–20 minutes. Butter on the back for tiles with longer side > 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 PERMACOLOR® SELECT GROUT, SPECTRALOCK® PRO PREMIUM GROUT, COLORBASE FS or COLOBASE FL.

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 Thin-Sets with 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® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059 535540

info@laticreteurope.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE EUROPE S.r.l to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS230.13EU: 1 Year Product Warranty (EN)

8. MAINTENANCE

LATICRETE® and LATAPOXY® are products of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteurope.com

Technical and Safety Literature

To obtain technical and safety literature, please visit our website at www.laticrete.eu.

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of

applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.eu.