



**Globally Proven
Construction Solutions**

4237 RAPID

4237 RAPID is a specially designed latex additive for use with 211 POWDER to make high strength, rapid setting latex thin-set up to 3 mm thick and medium bed up to 15 mm thick mortars. 4237 RAPID is ideal for installing all types of ceramic tile, stone and agglomerates on interior and exterior applications. Also, 4237 RAPID can be used with portland cement to make slurry bond coats for mortar beds and with thin-set mortars to give improved performance.



FEATURES/BENEFITS

- High Strength
- Rapid Setting
- Weather Resistant

USES

- Interior and exterior
- Used for installations of all types of ceramic tile, brick, stone and agglomerates
- Offers the permanent, water resistant dependability of portland cement

MANUFACTURER

LATICRETE EUROPE S.R.L .

Via Viazza 1° Tronco nr 19

41043 Formigine (MO) – Italy

Ph. +39 059557680

info@laticreteurope.com

STANDARDS/CERTIFICATIONS

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

5 US gallon (19 ℓ) pail; 48 pails per pallet

Coverage

Mixed with 211 POWDER

80–95 ft² (7.4–8.8 m²) per 50 lb (22.7 kg) bag of 211 POWDER using 1/4" x 1/4" (6 mm x 6 mm) square notch trowel.

60–70 ft² (5.6–6.5 m²) per 50 lb (22.7 kg) bag of 211 POWDER using a 1/4" x 3/8" (6 mm x 8 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 >32°F (0°C) and <110°F (43°C).

Limitations

- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Use LATAPOXY® 300 ADHESIVE for installing green marble, water sensitive stone and agglomerates and resin backed tiles and stones.
- 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 a 9235 Waterproofing Membrane (see Section 10 FILING SYSTEMS).

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 (except where local building codes specify more stringent deflection requirements)

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 70°F (21°C).
- Keep out of reach of children.

TECHNICAL DATA

Performance Properties

4237 RAPID mixed with 211 POWDER at (76°F [24°C])

Test	Test Method	Results	Specification
28 day Cure Initial Tensile Adhesion	EN1348	1.01–1.1 MPa (146–160 psi)	C2 ≥ 1.0 MPa (145 psi)
Water Soak Tensile Adhesion	EN1348	1.5–2.1 MPa (217–304 psi)	C2 ≥ 1.0 MPa (145 psi)
20 minute Open Time Tensile Adhesion	EN1346	2–2.8 MPa (290–406 psi)	C2 ≥ 0.5 MPa (74 psi)

Working Properties

4237 RAPID mixed with 211 POWDER at (76°F [24°C])

Open Time	50 minutes
Pot Life	80 minutes
Time to Foot Traffic	4 hours
Wet Density	102 lbs/ft ³ (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.

INSTALLATION

Preparation

All surfaces should be between 40°F (4°C) and 80°F (27°C), and structurally sound, clean and free of all dirt, oil, grease, paint laitance, 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 1/4" (6 mm) in 10 ft (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 RAPID thoroughly before use. Use approximately 1 gallon (3.8 ℓ) of 4237 RAPID to 35 lbs (15.9 kg) of 211 POWDER. Place 4237 RAPID in a clean plastic pail. Do not dilute. Add 211 POWDER to 4237 RAPID 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 ensure full bedding of the tile. It is essential that enough mortar is used to completely cover the back of the tile with a minimum 3/32" (2 mm) to 1/8" (3 mm) uniform thickness. Spread as much mortars can be covered with tile in 5–10 minutes. Back butter large tiles (<8 x 8") to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to embed 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 70°F (21°C). Grout with PERMACOLOR® Grout or COLORBASE FS or COLORBASE FL mixed with 1776 GROUT ENHANCER. For maximum stain resistance use 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 95°F (35°C).

Cleaning

Clean tools and tile work with water while mortar is fresh.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l. Telephone +39 059557680. For on-line distributor information, visit www.laticrete.com

Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year.

Contact Technical Support for further information.

MAINTENANCE

LATICRETE® products are 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.

TECHNICAL SERVICES

Technical assistance

For information contact: +39 059557680

info@laticreteurope.com

Technical and safety literature

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

Warning

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

applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must 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.