



## 4237 Rapid Latex Additive S1

4237 Rapid Latex Additive S1 is a specially designed latex additive for use with 211 Crete Filler Powder-Rapid 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.



### ADVANTAGES

- High strength
- Rapid setting
- Weather resistant

### MANUFACTURER

**LATICRETE Middle East LLC.**  
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### 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

### STANDARDS

#### Applicable Standards

Meets and exceeds the requirements of a C2FS1 when tested to as EN 12004-2 when mixed with 211 Crete Filler Powder-Rapid.

**Packaging,**

20 L Pail,

Pallet: 36 per pallet

**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.

**Approximate Coverage**

Per 20 liters of 4237 Rapid Latex Additive S1 mixed with 211 Crete Filler Powder-Rapid

NOTCH TROWEL	COVERAGE
6 mm x 6 mm	25 – 30 M <sup>2</sup>
6 mm x 9 mm	18 – 23 M <sup>2</sup>

**Shelf Life**

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored indoors and off the ground at temperatures >32°F (0°C) and <110°F (43°C).

High humidity will reduce the shelf life of bagged product.

**Limitations**

- Use LATAPOXY® 300 Adhesive for installing green marble.
- Use a white thin set adhesive 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 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**

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****Working Properties**

4237 Rapid Latex Additive S1 mixed with 211 Crete Filler Powder-Rapid at 21°C

Open Time	10-15 minutes
Pot Life	Up to 30 minutes
Time to Foot Traffic	4-6 hours
Wet Density	Approx. 1650 kg/m <sup>3</sup>
Transverse deformation, EN 12004– 2:2017, 8.6	2. 5 - 2.6 mm

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**

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 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 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 4237 Rapid Latex Additive S1 thoroughly before use. Use approximately 5 liters of 4237 Rapid Latex Additive S1 to 20 kg of 211 Crete Filler Powder-Rapid. Place 4237 Rapid Latex Additive S1 in a clean plastic pail. Do not dilute. Add 211 Crete Filler Powder-Rapid to 4237 Rapid Latex Additive S1 and mix to a smooth, trowelable consistency 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 5 – 10 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 PERMACOLOR® Grout<sup>†</sup> or 1500 Sanded Grout or 1600 Unsanded Grout mixed with 1776 Grout Admix Plus. For maximum stain resistance use SPECTRALOCK® PRO Grout<sup>†</sup>.

### 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.

## AVAILABILITY AND COST

### Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information, call: + 971 7 244 6396

### Cost

Contact a LATICRETE Distributor in your area.

## 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

### Information is available by calling the LATICRETE Technical Service

Telephone: + 971 7 244 6396

### Technical and Safety Literature

To acquire technical and safety literature, please visit our website at

[www.laticrete.com](http://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.

<sup>†</sup>United States Invention Patent No.: 6881768 (and other Patents)

<sup>^</sup>United States Invention Patent No.: 6784229 (and other