



4237R Rapid Thin Set Mortar Additive

4237R Rapid Thin Set Mortar Additive is a latex admix used in place of water in Portland cement/sand mixes. Tile and stones setting mortars made with 4237R Rapid Thin Set Mortar Additive are more flexible and are stronger than conventional Portland cement mortars. This strong bond is especially important when vitreous and semi-vitreous tiles are installed



FEATURES/BENEFITS

- Increased flexibility
- Non-flammable; safe to store and mix
- Improved impact resistance
- Fast setting

MANUFACTURER

LATICRETE (Malaysia) Sdn Bhd
 #18-08, Faber Tower 2, Jalan Desa Bahagia, Taman Desa,
 58100 Kuala Lumpur, Malaysia
 Tel: +603 7989 9188 Fax: +603 7972 0331
 Internet: <https://ma.laticrete.com>

SUITABLE SUBSTRATES

- Concrete
- Cement Plaster
- Drywall Board*
- Cement Backer Board
- Ceramic Tile & Stone
- Cement Mortar Beds
- Concrete Masonry
- Brick Masonry

* Consult LATICRETE technical services for more information

USES

4237R Rapid Thin Set Mortar Additive produces a mortar which exhibits excellent adhesion for bedding wall and floor, ceramic tile or stone, including moisture sensitive agglomerated stones

Tile fixing/bedding mortars made with 4237R Rapid Thin Set Mortar Additive are quick setting, more flexible, highly resistant to water, weather and chemical attack, and stronger than conventional dry set mortars. A simple, economical way to provide permanent, shock and impact resistant installations

PACKAGING / COLOUR

20ℓ/pail, 36 pails per pallet
 210ℓ/drum, 4 drums per pallet

Approximate Coverage

A drum of 4237R Rapid Thin Set Mortar Additive will yield a coverage of 300m² when mixed with 211 Crete Filler Powder using 6mm x 6mm square notched trowel

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored off the ground at temperatures > 0°C and < 40°C

Limitations

- Keep from freezing
- DO NOT use on Masonite®, wood products or metal surfaces
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes. When a waterproof barrier 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

Consult MSDS for more safety information

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

TECHNICAL DATA**Applicable Standards**

When tested in accordance to BS EN 12004. 1&2.

211 Crete Filler Powder mixed with 4237R Rapid Latex Additive is classified as C2TFS1

Performance Properties

211 Crete Filler Powder mixed with 4237R Rapid Latex Additive

Test	Test Method	Specification	Results
Tensile Adhesion Strength (6 hours)	EN 1348	≥0.5N/mm ²	>0.5N/mm ²
Tensile Adhesion Strength (28 days)	EN 1348	≥1.0N/mm ²	>2.5N/mm ²
Tensile Adhesion after Water Immersion (28 days)	EN 1348	≥1.0N/mm ²	>1.5N/mm ²
Tensile Adhesion after Heat Ageing (28 days)	EN 1346	≥1.0N/mm ²	> 2.5N/mm ²
Open Time (10 minutes)	EN 1346	≥0.5N/mm ²	>1.2N/mm ²
Transverse Deformation	EN 12002	≥2.5mm	>2.5mm
Slip Resistance	EN 1308	≤0.5mm	< 0.45mm
Shear Bond Strength	ANSI 118.4	≥0.5N/mm ²	> 2.2N/mm ²

Working Properties

(211 Crete Filler Powder + 4237R Rapid Thin Set Mortar Additive)

Open Time (25°C)	20 Minutes
Pot Life (25°C)	30 – 45 Minutes
Time to Light Traffic	3 – 4 Hours

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**Surface Preparation**

All surfaces should be between 8°C and 35°C and structurally sound, clean and free of all dirt, oil, grease, loose peeling paints, 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 of. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28 days old before application

* 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 ANSI specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171 "Expansion Joints". Do not cover expansion joints with mortar. Glass Mesh Mortar Unit: Follow TCA Installation detail W244

Mixing

Use approximately 5.6ℓ - 6.0ℓ of 4237R Rapid Thin Set Mortar Additive to 23kg of 211 Crete Filler Powder. Place 4237R Rapid Thin Set Mortar Additive in a clean plastic pail. Do not dilute. Add 211 Crete Filler Powder to 4237R Rapid Thin Set Mortar Additive and mix to a smooth, trowelable consistency. Allow mortar to slake for 3 – 5 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel

Please do not mix other aggregates such as cement or sand etc to 4237R Rapid Thin Set Mortar Additive

**** Actual mix ratio and field performance will depend on application methods, site condition and temperature**

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. Spread as much mortar as can be covered with tile in 15-20 minutes. Back butter large tiles > 300mm x 300mm 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. If mortar is skinned over (not sticky), remove and replace with fresh mortar.

Grouting

Grout installation can occur after a minimum of 4 hours curing time at 21°C. Grout with 1500 Tri-Poly Fortified Sanded Grout or 1600 Tri-Poly Fortified Unsanded Grout mixed with 1776 Grout Enhancer. For maximum stain resistance use SPECTRALOCK® PRO grout†

Cleaning

Clean tools and tile work with water while mortar is fresh

AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide

For distributor information, call:

Telephone: +603 7989 9188

Fax: +603 7972 0331

For online distributor information, visit LATICRETE at <https://ma.laticrete.com>

Cost

Contact a LATICRETE distributor in your area

WARRANTY

LATICRETE (Malaysia) Sdn Bhd warrants that 4237R Rapid Thin Set Mortar Additive is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subjected to terms and conditions stated

MAINTENANCE

LATICRETE grouts require routine cleaning with a neutral pH detergent and water. All stone and tiles should be maintained and sealed with STONETECH® products as appropriate for the specific tile / stone and installation situation

All other LATICRETE materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers

TECHNICAL SERVICE/CONTACT

Technical Assistance

Information is available by calling:

LATICRETE (Malaysia) Sdn Bhd

#18-08, Faber Tower 2, Jalan Desa Bahagia,

Taman Desa, 58100 Kuala Lumpur,

Malaysia

Telephone: +603 7989 9188

Fax: +603 7972 0331

Email: enquiry@laticrete.com.my

Technical and safety literature

To acquire technical and safety literature, please visit our website at <https://ma.laticrete.com>

† United States Invention Patent No.: 6,881,768 (and other Patents)