



**For the Builders
of a Better World™**

211 Crete Filler Powder

211 Crete Filler Powder is a factory prepared blend of carefully selected raw materials, Portland cement and graded aggregates. Designed for use with 4237 Thin Set Mortar Additive to produce a high strength adhesive for ceramic tile and stone that meets and exceeds the requirements of national and international standards.



FEATURES/BENEFITS

- Premixed—no jobsite blending of powders required.
- Safe—non-flammable; Safe to store and mix.
- Economical—saves time and money.
- Easy to Use—no special tools required.
- High Strength Formula—meets and exceeds National and International Standards.
- Versatile—wet and dry areas, walls, floors and ceilings.
- Excellent for use in swimming pools, fountains and water features.

USES

For the installation of ceramic tile and stone over cement and masonry type surfaces.

- Interior and exterior.
- Wet and dry areas, walls, floors and ceilings.
- New and remodel construction, residential or commercial applications.

STANDARDS/CERTIFICATIONS

- BS EN 12004
- ANSI A118
- ASTM C627

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd
No. 38 Sungei Kadut Street 2 (Level 2, A3) Singapore 729245
Telephone: +65 6515 3028 Fax: +65 6515 3037
Internet: se.laticrete.com



This product has been certified green by the UL GREENGUARD Certification Program and Singapore Green Building Council.

Suitable Substrates

- Concrete
- Ceramic tile & stone
- Concrete masonry
- Brick masonry
- Cement mortar beds
- Drywall boards*
- Cement backer board**
- Cement plaster
- Cement terrazzo

* Consult Laticrete Technical Services for more information.

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

Packaging

23kg bag, 80 bags per pallet.

Colour

Default Grey and White

Approximate Coverage

23kg of 211 Crete Filler Powder with 5.6ℓ – 6ℓ of LATICRETE Thin Set Mortar Additive will yield a coverage of 7.4–8.8 m² using a 6 mm x 6 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 off the ground in a dry area, at

Limitations

- Use LATAPOXY® 300 Adhesive for installing green marble, water sensitive stone and agglomerate and resin backed tile and stone.
- Use a white thin set mortar when installing white or light-colored 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 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.
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Wait 14 days after the final grouting period before filing water features with water at 21°C.

- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA

Performance Properties

211 Crete Filler powder mixed with 4237 Latex Additive

Test	Test Method	Results
Tensile Adhesion Strength (28 days)	BS EN 12004	≥ 2.5 N/mm ²
Tensile Adhesion after Heat Ageing (28 days)	BS EN 12004	≥ 2.5 N/mm ²
Tensile Adhesion after Water Immersion (28 days)	BS EN 12004	≥ 1.5 N/mm ²
Shear Bond Strength (28 days)	ANSI A118	≥ 2.5 MPa
Open time (30mins)	BS EN 12004	≥ 1.0N/mm ²
Slip Resistance	BS EN 12004	≤ 0.5mm
Transverse Deformation	BS EN 12004	≥ 2.5mm
TCNA Service Rating	ASTM C627	Extra Heavy

Working Properties

211 Crete Filler powder mixed with 4237 Thin Set Mortar Additive

Open Time (25°C)	30 minutes
Pot Life (25°C)	2 hours
Time to Light Traffic	24 hours

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 5°C and 40°C and structurally sound, clean and free from all dirt, oil, grease, loose peeling paint, laitance, 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 6 mm in 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 211 Crete Filler Powder thoroughly before use. Use approximately 5.6ℓ - 6.0ℓ of 4237 Thin Set Mortar Additive to 23kg of 211 Crete Filler Powder and place 4237 Thin Set Mortar Additive in a clean plastic pail. Do not dilute.

Add 211 Crete Filler Powder to 4237 Thin Set Mortar Additive and mix to a smooth, trowelable consistency. Allow mortar to slake 5–10 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 211 Crete Filler Powder.**

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 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 >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 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 can occur after a minimum of 24 hours curing time at 21°C. Grout with 1500 Sanded Grout or 1600 Unsanded Grout mixed with 1776 Grout Enhancer. For maximum stain resistance use SpectraLOCK®† PRO Premium Grout.

† United States Invention Patent No.: 6881768 (and other Patents)

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:

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

For on-line distributor information, visit LATICRETE at se.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE South East Asia Pte Ltd warrants that 211 Crete Filler Powder 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 subject to terms and conditions stated.

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.

TECHNICAL SERVICES/ CONTACT**Technical Assistance**

Information is available by calling:

LATICRETE South East Asia Pte Ltd

No. 38 Sungei Kadut Street 2

(Level 2, A3)

Singapore 729245

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

Email: enquiry@laticrete.com.sg

Technical and safety literature

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

se.laticrete.com

Disclaimer

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at se.laticrete.com.