

1. PRODUCT NAME

LATICRETE® 211 Crete Filler Powder

2. MANUFACTURER

LATICRETE Pty Ltd
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Footscray West. VIC. 3012.
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Toll Free: 1800331012
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3. PRODUCT DESCRIPTION

LATICRETE 211 Crete Filler Powder is a factory prepared blend of carefully selected raw materials, Portland Cement and graded aggregates. Designed for use with LATICRETE® 4237 Latex 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.

Uses

For the installation of ceramic tile and stone over cement and masonry type surfaces. Applications include: Interior and exterior, wet and dry areas, walls, floors and ceilings. New and remodel construction, residential or commercial applications.

Advantages

- 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

Suitable Substrates

- Concrete
- Ceramic Tile & Stones
- Concrete Masonry
- Brick Masonry
- Gypsum Wallboard (Interior Only)
- Cement Mortar Beds
- Cement Backer Board*
- Cement Plaster
- Cement Terrazzo

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

Packaging

20 kg bags, 56 bags per pallet
Colour: White or Grey Portland Cement

Approximate Coverage

7-8.5.² per 20kg 211 using 6mm x 6mm square notch trowel.
5-6.5m² 20kg bag of 211 using a 6mm x 8mm 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.

*High humidity will reduce the shelf life of bagged product.

Limitations

- Use LATAPOXY® 300 Epoxy Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Use a white thin set mortar when installing white or light colored natural stones.
- This is not a colour controlled product and may not be suitable where specific white or grey coloured adhesives are required.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane 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

- 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.
- 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.

4. TECHNICAL DATA

Applicable Standards

- ANSI A118.4-1999; CTI-64-1
- BS5980: 1980 (Type 3, Class AA)
- DIN 18156 Teil 2; UEAtc 21:82 (Class C)
- CSTB 13/94-588

Performance Properties

LATICRETE 211 Crete Filler Powder
mixed with LATICRETE 4237 Latex Thin-Set Mortar Additive

Test/Test Method	Results
Shear Bond, Porcelain Tile, 28 day cure ANSI A118.4-1999; F-5.2.4	3.5 MPa
Shear Bond, Porcelain Tile, Water immersion ANSI A118.4-1999; F-5.2.3	2.3 MPa
Water Absorption ANSI A118.6-1999; H 4.4	4% max.
Compressive Strength ANSI A118.4-1999; F-6.1	34.5 MPa
TCA Service Rating ASTM C-627	Extra Heavy
Tensile Adhesion Strength BS 5980:1980 Class AA; 14 days	1575 N
Shear Adhesion Strength BS 5980:1980 Class AA; 14 days	22.8 kN
Coefficient of Expansion ASTM C-531	117x10 ⁻⁷ (°C)

Working Properties

LATICRETE 211 Crete Filler Powder mixed with
LATICRETE 4237 Latex Thin-Set Mortar Additive
(70°F(21°C))

Open Time	50 minutes
Pot Life	5 hours
Time to Heavy Traffic	24 hours
Wet Density	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.

5. INSTALLATION

Surface Preparation

All Surfaces should be between 4°C and 32°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 6mm in 3m. 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" or TCA Detail EJ171-98 "Expansion Joints". Do not cover expansion joints with mortar. Cement Backer Board: follow TCA installation detail W244.

Mixing - Stir LATICRETE 211 Crete Filler Powder thoroughly before use.

Use approximately 5.5 litres of LATICRETE 4237 Latex Thin-Set Mortar Additive to 20kg of LATICRETE 211 Crete Filler Powder and place LATICRETE 4237 Latex Thin-Set Mortar Additive in a clean plastic pail. Do not dilute. Add LATICRETE 211 Crete Filler Powder to LATICRETE 4237 Latex 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.

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 2mm to 3mm uniform thickness. Spread as much mortar as can be covered with tile in 15-20 minutes. Back butter large tiles >200mm x 200mm 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 LATICRETE Unsanded or Sanded Grout mixed with LATICRETE 3701 or 1776® Grout Admix Plus. For maximum stain resistance use LATAPOXY® SpectraLock Pro or LATAPOXY® 2000 Industrial Epoxy 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.

For faster setting mortar use LATICRETE Thin-Sets with LATICRETE® 101 Rapid-Set 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 and LATAPOXY® materials are available worldwide. For distributor information, call:

Toll Free: 1800331012

Telephone: 03 99336111

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

Cost

Contact a LATICRETE/LATAPOXY Distributor in your area.

7. WARRANTY

LATICRETE warrants that LATICRETE 211 CRETE FILLER POWDER is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of ten (7) years from date of purchase subject to the terms and conditions stated in Data Sheet 230.7Paus LATICRETE Product Warranty. In addition, when used as a component of a LATICRETE System Installation, LATICRETE 211 CRETE FILLER POWDER is warranted for a period of ten (10) years from the date of purchase subject to the terms and conditions stated in Data Sheet 230.10Saus LATICRETE System Warranty.

8. 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.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the LATICRETE Technical Service Hotline

(hours 8:00 AM to 5:00 PM EST):

Toll Free: 1800331012

Telephone: 03 99336111

FAX: 03 99336199