



Globally Proven
Construction Solutions

254 PLATINUM

The ultimate one-step, polymer fortified, thin-set mortar (C2) for interior and exterior installation of ceramic tile, porcelain tile, thin porcelain tile, stone, quarry tile, pavers and brick. 254 PLATINUM, designed to just mix with water, has a long open time (E) with unsurpassed adhesion, workability, deformability (S1), and minimal vertical slip (T). 254 PLATINUM is a LATICRETE® approved substitute for 211 POWDER mixed with 4237 LATEX ADDITIVE.



FEATURES/BENEFITS

- Ideal for thin porcelain tile and gauged porcelain tile panels
- Equipped with antimicrobial technology — inhibits mould and bacteria growth
- Classified C2TES1 according to EN12004 and C2TES1 P1 according ISO 13007-1
- Ultimate adhesion for porcelain and glass tiles
- Incredible bond to exterior glue plywood and concrete*
- Excellent for exterior and swimming pool applications
- High shear bond strength
- Smooth creamy formula and deformable
- Eligible for 25 Year System Warranty**

*See limitations.

**When used as part of the LATICRETE 25 Year System Warranty DS 025.0.

MANUFACTURER

LATICRETE EUROPE S.r.l.
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USES

- For interior, exterior, and submerged use
- For floors, walls, and facade cladding
- For installation all types of ceramics, mosaics, natural stones, marble and non-moisture sensitive agglomerates
- For areas subject to high traffic
- For large formats tiles and slabs

STANDARDS/CERTIFICATIONS



EN 12004, C2TES1

ANSI A118.4, A118.11 and ANSI A118.15
ISO13007-1 C2TES1 P1

Quality Standards

ISO 9001:2008 Quality Management System

VOC/LEED Product Information



This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment. Total VOC Content of product in unused form is 0.00 g/L.



EC1 Plus



ÉMISSIONS DANS L'AIR INTÉRIEUR

Suitable Substrates

- Screeds and Cement Plasters
- Concrete
- Ceramic Tile and Stone
- Heating Screeds
- Fiber Cement and Plasterboard Panels**
- Gypsum Based Plasters
- LATICRETE® Waterproofing Membranes
- Outdoor Plywood Panels*
- Adequately Prepared Vinyl Tiles*
- Terrazzo Flooring
- Brick Masonry

*Interior only.

**Consult panel supplier to obtain specific installation instructions and verify suitability for outdoor use.

Packaging

25 kg bag; 1200 kg per pallet.

Colour

White and Grey

Approximate Consumption

2-4 kg/m² for standard and small format mosaics.

5-7 kg/m² for medium to large size tiles.

Note: Consumption will vary depending on trowel notch size, type and size of tile and substrate.

Shelf Life

Factory sealed bags of this product are guaranteed to be of first quality for twelve (12) months if stored in a cool, dry place.

Limitations

- 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 (see Section 10 FILING SYSTEMS).
- Not for use directly over particle board, luan, Masonite® or hardwood floors.
- For façade veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.

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

For more information, consult the safety data sheet.

- Some marbles and other stone have low flexural strength and may not be suitable for installation over wood floors.
- For white and light-coloured marbles use 254 PLATINUM WHITE. For green marble, resin backed tile and stone and other moisture sensitive marbles and agglomerates, use LATAPOXY® 300 ADHESIVE.

- During the winter, protect the work from freezing and from the pedestrian crossing until completely hardened.
- Contains Portland cement and silica sand. It can irritate the eyes. May cause sensitization by skin contact. Wear protective gloves and goggles when mixing and applying the product. In case of contact with the skin, wash thoroughly with water. Do not swallow. Avoid breathing dust.
- 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

Physical & Performance Properties

Test	Test Method	ISO 13007-1 C2 Specification	Results
28 Day Cure Tensile Adhesive Strength	ISO 13007-2 4.4.2	1 MPa	1.8 – 2.6 MPa
7 Day Cure 21 Day Water Immersion Tensile Adhesive Strength	ISO 13007-2 4.4.3	1 MPa	1.3-1.5 MPa
14 Day Cure 14 Day Heat Age Tensile Adhesive Strength	ISO 13007-2 4.4.4	1 MPa	1,8-2,6 MPa
7 Day Cure 21 Day Water Immersion 25 Freeze/Thaw Cycle Tensile Adhesive Strength	ISO 13007-2 4.4.5	1 MPa	1,3-1,5 MPa
Open Time After 30 Minutes	ISO 13007-2 4.1	0.5 MPa	1,0-1,5 MPa
Slip	ISO 13007-2 4.2	Less than or equal to 0.5 mm	0.5 mm
Transverse Deformation	ISO 13007-2 4.5	Greater than or equal to 2.5 mm and less than 5 mm	3.2-3.6 mm

Working Properties (23°C / 50% relative humidity)

Open Time	30 minutes
Pot Life	2 hours
Time to Heavy Traffic	24 hours
Wet Density	1.65 g/cm 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

Surface Preparation

The surfaces must be at a temperature between 5°C and 35°C and must be structurally stable and compact, clean, free of slab friable parts and traces of oils, greases, paints, release agents. Any height differences must be filled with special LATICRETE® mortars. Screeds and cementitious plasters that are particularly absorbent and / or overheated by sunlight, must be saturated without leaving stagnant water on the surface. The application can be done on wet surfaces. Ceramic and stone substrates must be clean, mechanically resistant and perfectly anchored to the substrate.

Note: 254 PLATINUM does not require a minimum cure time for concrete slabs.

Expansion Joints

Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow the requirements of the UNI 11493-1 standard for positioning and sizing the joints, or other relevant standards. Do not cover expansion joints with mortar.

Mixing

Use clean, potable water and a clean pail. Pour 6.5 - 7 liters of water into pail, add a 25 kg of 254 PLATINUM while mixing with a low-speed mixer for about 3 minutes. Let the mortar slake for 5-10 min. Remix again without adding additional water or powder. The mortar should have a creamy consistency free of lumps. During use, stir occasionally to keep mix fluffy. DO NOT temper with water.

Application

Spread a thin layer of adhesive with the flat side of the notched trowel, pressing firmly to work into surface. Apply additional product with the notched side of the trowel, leaving well-defined lines (the final thickness of the adhesive must not exceed 10 mm).

Note: Use 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 >8" x 8" (>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 embed 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 after a minimum of 24 hours curing time at 23°C and 50% RH. Use LATICRETE® cementitious grouts, such as PERMCOLOR® SELECT or PERMACOLOR® SELECT FINE. For joints resistant to stains and aggressive chemicals, use epoxy grouts such as SPECTRALOCK® PRO PREMIUM GROUT or SPECTRALOCK 2000IG

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.:

+39 059557680

info@laticreteurope.com

For online distributor information, www.laticrete.eu.

Cost

Contact LATICRETE EUROPE S.r.l 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 Services for further information. Refer to 10. FILING SYSTEM:

- DS 025.0: 25 Year System Warranty
- DS 230.13: 1 Year Product Warranty

MAINTENANCE

LATICRETE® and LATAPOXY® are products 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 SERVICE

Technical Assistance

For information contact:

+39 059557680

technicalservices@laticreteurope.com

Technical and Safety Literature

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

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE products should 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.

LATICRETE products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product sheets, documentation, or applicable technical documentation.