



254R PLATINUM™ Rapid

The ultimate one-step, polymer fortified, thin-set adhesive for interior and exterior installation of ceramic tile, stone, quarry tile, pavers and brick. 254R Platinum Rapid is designed to mix with water and provide unsurpassed adhesion and workability. Equipped with Microban Anti-Microbial Protection

**Globally Proven
Construction Solutions**



FEATURES/BENEFITS

- Contains antimicrobial protection to inhibit the growth of stain-causing mold and mildew in the substrate.
- Achieves ISO 13007.1 & .2 classification C2TFS1
- Rapid Set Adhesive; can be grouted in 2–4 hours.
- Ultimate adhesion for porcelain tiles.
- Incredible bond to exterior glue plywood and concrete*.
- Excellent shear bond strength.
- Superior adhesion for immersed applications.
- High performing smooth creamy formula.

* See limitations section of DS.

USES

- Excellent for exterior and under water applications, with a superior bond to exterior glue plywood and concrete. 254R Platinum Rapid is the ultimate rapid setting adhesive for porcelain tiles.

PACKAGING

- 11.3kg bag, 56 bags per pallet
- Colour – White

SUITABLE SUBSTRATES

- Properly Prepared Vinyl Or Other Resilient Tile
- Concrete Masonry
- Concrete Block
- Cement Mortar Bed
- Non-Water Soluble Cut-Back Adhesive
- Existing Ceramic Tile
- Gypsum Wallboard
- Gypsum Plaster
- Plastic Laminate
- Cement Terrazzo
- Exterior Glue Plywood*
- Cement Backer Board~

*Interior use only.

~Check with cement backer board manufacturer for suitability, exterior work and load limits.

MANUFACTURER

LATICRETE New Zealand
3 /118 Asquith Avenue, Mt. Albert,
Auckland, 1023, New Zealand

Telephone: +64 9 394 1900
Internet: nz.laticrete.com

Approximate Coverage (per 11.3kg bag)

3.4 – 4.4 m ²	/	6 mm x 6 mm notched trowel
2.3 – 2.8 m ²	/	6 mm x 9 mm notched trowel
1.9 – 2.1 m ²	/	12 mm x 12 mm notched trowel.

Coverage 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 one (1) year from date of manufacture, if stored off ground in a dry area. High humidity will reduce the shelf life of bagged product.

Limitations

- Not for use directly over OSB, interior glue plywood, particle board, luan, Masonite® or hardwood floors.
- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Wait 14 days after the final grouting period before filing water features with water at 21 °C.
- 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® HYDRO BAN® 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/720 for thin bed stone installation where L=span length (except where local building codes specify more stringent deflection requirements)

Cautions

Before using any LATICRETE product:

- Consult SDS for safety information.
- 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 White adhesive. For green marble, resin backed tile and stone and other moisture sensitive marbles and agglomerates, use LATAPOXY® 300 Adhesive (refer to Data Sheet 1047NZ).
- 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. Wear protective gloves, protective clothing and eye protection when handling.
- DO NOT take internally. Silica sand may cause cancer, respiratory irritation or serious lung problems. Do not breathe dust. Wear a respirator in dusty areas.
- Efflorescence is a normal condition of Portland cement. Contact LATICRETE for information on reducing the effects of efflorescence.
- Keep out of reach of children.

TECHNICAL DATA**VOC Product Information**

Total VOC Content of product in unused form is 0.00 g/L.

Applicable Standard

- ISO 13007.1 & .2 – C2TFS1

Physical Properties

Test	Test Method	ISO Requirements	Result
Open Time: Tensile Adhesion at 20 mins	ISO 13007.2 – 4.1	≥ 0.5 MPa	> 0.5 MPa
Initial Adhesion Strength (6h)	ISO 13007.2 – 4.4.4.2	≥ 0.5 MPa	> 0.5 Mpa
Tensile Adhesion Strength (28 days)	ISO 13007.2 – 4.4.4.2	≥ 1 MPa for C2	> 1 Mpa
Tensile Adhesion Strength after Water Immersion	ISO 13007.2 – 4.4.4.3		> 1 Mpa
Tensile Adhesion Strength after Heat Ageing	ISO 13007.2 – 4.4.4.4		> 1 Mpa
Tensile Adhesion Strength after Freeze – Thaw cycles	ISO 13007.2 – 4.4.4.5		> 1 Mpa
Transverse Deformation (mm)	ISO 13007.2 – 4.5	>2.5mm for S1	≥ 2.5mm
Slip	ISO 13007.2 – 4.2	≤ 0.5mm	< 0.5mm

Working Properties at 21 °C

Working Time	30 minutes
Pot Life	50 minutes
Time to Grout	2–4 hours
Time to Heavy Traffic	5 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.

INSTALLATIONS**Surface Preparation**

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all dirt, oil, grease, 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 (CSP1 to CSP3) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs must be damp cured and at least 28 days old prior to application. All substrates must be plumb and true to the required tolerances based on format size of tile. Movement joints shall be provided through the tile work, over all construction or expansion joints in the substrate. Follow Australian Standards requirements for Expansion Joints in AS3958 or TCNA detail EJ-171. Do not cover movement joints with adhesive

Mixing – 11.3 kg bag

Place clean, potable water into a clean pail. Add 254R Platinum Rapid. Use approximately 2.7 - 2.9 L of water for 11.3 kg of powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Remix without adding any more water or powder. During use, stir occasionally to keep mix fluffy. **Do not** temper with water.

Application

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional adhesive with the notched side.

Note: Use proper sized notched trowel to ensure full bedding and appropriate adhesive thickness under tile. Spread as much adhesive as can be covered with tile in 10–15 minutes or whilst adhesive is wet and tacky. Back butter large tiles >200mm x 200mm to provide full bedding and firm support if required. Place tiles into wet, sticky adhesive and beat in using a beating block, rubber mallet and/or slide the tile back and forth to embed tile and adjust level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile. If adhesive is skinned over (not sticky), remove and replace with fresh adhesive.

Grouting

Grout installation after a minimum of 24 hours curing time at 21°C. Grout with SPECTRALOCK[®] PRO Premium Grout; or, PERMACOLOR Grout.

Cleaning

Clean tools and tile work with water while adhesive is fresh.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY[®] materials are available worldwide.

For Distributor information:

Telephone: +64 9 394 1900

For online distributor information, visit LATICRETE at nz.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

MAINTENANCE

LATICRETE and LATAPOXY grouts, sealers and sealants require routine maintenance and cleaning with a neutral pH detergent and water. See TDS 1113 for more information.

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

TECHNICAL SERVICES

Technical assistance

Information is available by calling:

Telephone: +64 9 394 1900

Technical and safety literature

To acquire technical and safety literature, please visit our website at nz.laticrete.com

DISCLAIMER

- The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.
- This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.
- The use of this product is beyond our control and liability is assumed by the user when used incorrectly and not in accordance with LATICRETE[®] guidelines.
- The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.
- The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this specification.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY[®] SP-100, LATAPOXY 310 Stone Adhesive, LATAPOXY 300 Adhesive, SPECTRALOCK[®] PRO Premium Grout[†] and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence.

LATICRETE New Zealand

3 /118 Asquith Avenue, Mt. Albert,
Auckland, 1023, New Zealand

+64 9 394 1900

nz.laticrete.com

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