



101 Rapid Latex Admix

101 Rapid Latex Admix is a rapid setting, latex admixture for thin set adhesives, cement grouts and cement mortar beds. Is particularly suited to use with natural stone, terrazzo, engineered tiles and agglomerates.

Globally Proven Construction Solutions



Location: Newcomb Street, Paddington, NSW



FEATURES/BENEFITS

- Fast setting
- Shock resistant
- Non-toxic
- Non-flammable
- Water cleanable
- Locks in grout colour
- High bond strength
- Ready for foot traffic in 6 hours at 21°C
- Wall and floor use
- Fast setting in any temperature
- Install tile and grout in less than 2 hours
- Meets AS ISO 13007-2013 strength in one day
- Minimises damage from other trades in unprotected traffic areas

USES

Specially formulated for fast set. Allows setting and grouting same day. For interior and exterior installations of all types of ceramic tile, brick, and natural stone.

SUITABLE SUBSTRATES

- | | |
|---------------------------|---------------------------|
| ■ Concrete | ■ Cement plaster |
| ■ Cement mortar beds | ■ Brick masonry |
| ■ Ceramic tile and stones | ■ Cement terrazzo |
| ■ Cement backer board** | ■ Exterior grade plywood* |
| ■ Concrete masonry | ■ Gypsum wallboard* |

* Interior use only

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

PACKAGING/COLOUR

- 20 litre pail; 32 pails per pallet

MANUFACTURER

LATICRETE Australia Pty Ltd
29 Telford Street
Virginia, QLD 4014 Australia

Telephone: 07 3865 1599
Toll Free: 1800 331 012
Fax: 07 3865 2250
Internet: www.laticrete.com.au

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures $>0^{\circ}\text{C}$ and $<43^{\circ}\text{C}$.

Limitations

- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- DO NOT bond to particle board, Luan, Masonite® or hardwood surfaces.
- Use a white thin set adhesive when installing white or light coloured natural stones.
- 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, $L/720$ for ceramic tile/brick to external framed and sheeted substrates or $L/720$ for thin bed stone installations where L =span length.

Cautions

- See SDS 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

- AS ISO 13007 .1, .2 & .5

Performance Properties

LATICRETE 315 Adhesive gauged with 101 Rapid Latex Admix when tested in accordance to AS ISO 13007 .1 & .2 meets the requirements of classification C2TFS1 Adhesive.

101 Rapid Latex Admix mixed with 315 Adhesive when tested over HYDRO BAN in accordance with AS ISO 13007 .5 meets the requirements of classification DM P.

Test/Test Method	Results
Tensile Adhesion 28-day Strength	3.09 MPa
Tensile Adhesion Strength after water immersion	1.26 MPa
Tensile Adhesion Strength after heat aging	3.31 MPa
Open Time Tensile Adhesion	1.02 MPa
Transverse Deformation	4.1 mm

Working Properties

101 Rapid Latex Admix mixed with 315 Adhesive

Open Time at 21°C	20 minutes
Pot Life 21°C	30 minutes
Pot Life 4°C	45 minutes
Time to Foot Traffic 21°C	6 hours
Time to Heavy Traffic 21°C	10 hours
Time to Foot Traffic 7°C	10 hours
Time to Heavy Traffic 7°C	24 hours
Wet Density	1800 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.

INSTALLATIONS

Unless otherwise noted in this data sheet all work shall be in accordance with AS 3958-2023

Note: LATICRETE 101 Rapid Admix, at the discretion of others, might be used with site mixed sand and cement supplied by others for mortar beds. The relative performance of resulting mortar beds and suitability for such use is to be determined and deemed fit for purpose by others. LATICRETE however will warrant that the LATICRETE 101 Rapid Admix, when used in accordance with our guidelines, in itself, will not break down or fail and comes with a LATICRETE product warranty.

Surface Preparation

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all dirt, oil, grease, loose peeling 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 (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. For tiles that have a length of $<380\text{mm}$ substrates must be plumb and true to within 5mm in 3m and 1.5mm in 600mm when measured from the high spot for thin-set installations. For tiles that have a length of $>380\text{mm}$ substrates must be plumb and true to within 3mm in 3m and 1.5mm in 300mm when measured from the high spot. Movement joints shall be provided through the tile work from all construction or movement joints in the substrate. Follow Australian Standards requirements for Movement Joints in AS 3958 or TCNA detail EJ-171 "Movement Joints — Vertical & Horizontal". Do not cover movement joints with mortar. 3701 Latex Admix can be mixed with 101 Rapid Latex Admix to slow or control the set time of the 101 Rapid Latex Admix.

Mixing

Stir 101 Rapid Latex Admix thoroughly before use. As a Mortar Bed Additive Use approximately 2.2 litres of 101 Rapid Latex Admix to 20 kg of 226 Thick Bed Mortar. Add 226 Thick Bed Mortar to 101 Rapid Latex Admix and mix slowly. Adjust mixture to produce a semidry consistency.

As a Thin-Set Additive

Use approximately 5.5 litres of 101 Rapid Latex Admix to 20 kg of LATICRETE 315 Adhesive. Place 101 Rapid Latex Admix in a clean plastic pail. Do not dilute. Add LATICRETE Cement Based Adhesive to 101 Rapid Latex Admix and mix to a smooth, trowelable consistency. Allow adhesive to slake for 2 – 3 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

Application

All work should be in accordance to AS3958-2023 unless otherwise noted in this document.

Mortar Bed

Before placing mortar, apply a slurry bond coat made from 101 Rapid Latex Admix mixed with 315 Adhesive. While the slurry bond coat is wet and tacky spread the mortar and compact well. If placing tile immediately on the fresh bed, apply a slurry bond coat made from 101 Rapid Latex Admix mixed with 315 Adhesive to the mortar bed surface. While the slurry bond coat is wet and sticky, place the tile and beat in well. Ensure bond coats do not skin or dry out before being covered. See TDS1009.

Thin-Set Adhesive

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 the proper sized notched trowel to insure full bedding of the tile. Spread as much adhesive as can be covered with tile in 5 – 10 minutes or whilst adhesive is still wet and tacky. Back butter large tiles >200 mm x 200 mm to provide full bedding and firm support. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed 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.

As a Grout Additive:

Mix 2.5L – 2.7L of 101 Rapid Latex Additive to a 20 kg bag of LATICRETE 226 for a course quarry grout suitable for wide joints. 101 Rapid Admix may be used as a grout additive with non modified grouts.

Installation

Generally, allow tile adhesives and bedding to dry for 24 hours at 21°C before grouting. Remove spacers, debris, excessive adhesive or anything that may inhibit a full joint before grouting. Clean down tiles and wipe with a wet sponge prior to grouting. Hydrate dry and hot tile bedding or adhesive. Do not leave water standing in joints. Check if tile may benefit from a grout release sealer. Only apply as much grout as can be worked with given the current site conditions. Do not spread out too much grout in hot conditions. "Do not let grout dry on the surface of the tile." Spread grout with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack and remove excess grout from the joints. Ensure that the joint is filled and the grout is not just sitting on the top, i.e. "bridging the joint"

Grout Primary Cleaning

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material.

Grout Secondary Cleaning

Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water. **Note:** Use caution when polishing soft glazed tiles or polished stone.

Cleaning

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

Cold Weather Note

The setting of Portland cement adhesives, 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 101 Rapid 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, adhesives and grouts 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.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information:

Toll Free: 1800 331 012

Telephone: 07 3865 1599

For online distributor information, visit LATICRETE at www.laticrete.com.au

Cost

Contact a LATICRETE Distributor in your area.

MAINTENANCE

LATICRETE and LATAPOXY 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 and LATAPOXY 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:

Toll Free: 1800 331 012

Telephone: 07 3865 1599

Fax: 07 3865 2250

Technical and safety literature

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

¹ United States Patent No.: 6,881,768 (and other Patents).

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 data sheet.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY® 310 Stone Adhesive, LATAPOXY 300 Adhesive, SPECTRALOCK® PRO Premium Grout¹ and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence.

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