



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
- Frost proof
- 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
- Fast, easy mortar and grout clean up 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 mortar beds
- Ceramic tile and stones
- Cement backer board**
- Concrete masonry
- Cement plaster
- Brick masonry
- Cement terrazzo
- Exterior grade plywood*
- 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 mortar 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

When mixed with 315 Adhesive meets and exceeds the requirements of AS ISO13007-2013 as a C2FS1 adhesive.

Performance Properties

101 Rapid Latex Admix mixed with 315 Adhesive and tested according to AS ISO 13007-2013.

| 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

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 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 mortar is skinned over (not sticky), remove and replace with fresh adhesive.

Cleaning

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

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.

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.

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

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

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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