



# 315

315 Adhesive is a high performance bagged cementitious powder to be mixed with either water or latex admixture to install ceramic tile and natural stone using the thin-set method of installation.

## Globally Proven Construction Solutions



Location: King George Square, Brisbane, QLD



### FEATURES/BENEFITS

- High tack – will hang tile without slippage
- Dual purpose, for walls and floors
- Water cleanable
- Easy to use – plastic, workable and long open time
- High bond strength – 200% stronger than mastic type adhesives
- Safe – non-flammable and non-toxic during storage, application and after hardening
- Ideal for use with a range of LATICRETE Latex products.

### PACKAGING/COLOUR

- 20 kg bag; 56 bags per pallet
- Off-White
- Grey

### USES

Designed for interior or exterior installation of tile and stone for walls and floors.

### SUITABLE SUBSTRATES

- Concrete
- Concrete masonry
- Cement mortar beds
- Cement plaster
- Ceramic tile and stones\*
- Suitable waterproof membranes\*
- Brick masonry
- Cement terrazzo\*
- Gypsum wall board^
- Cement backer board^^\*

^ Interior use only

\* When mixed with LATICRETE 4237 Latex Additive or other LATICRETE latex.

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

### 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](http://www.laticrete.com.au)

## Approximate Coverage

(Based on product wet densities with a trowel at 45°)

- 7 – 8 m<sup>2</sup> with a 6 mm x 6 mm square notched trowel
- 4 – 5 m<sup>2</sup> with a 10 mm x 10 mm square notched trowel

Coverage will depend on how the trowel is used and surface regularity.

## Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year<sup>1</sup> if stored off the ground in a dry area.

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

## Limitations

- Use a white thin-set adhesive when installing white or light coloured natural stones.
- This is not a colour controlled product and may not be suitable where specific coloured adhesives are required.
- Do not apply directly to Luan, Masonite®, hardwood surfaces, plywood, chipboard, particleboard, decorative laminates or resilient flooring.
- Do not install tile/stone when surface temperatures are below 4°C. Always use LATICRETE® Latex Additives when temperatures approach freezing.
- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers brick and stone are not designed as replacements for waterproof membranes. When a waterproof membrane is required, use a LATICRETE Waterproof Membrane.
- Note:** 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

- Consult SDS for more safety information.
- 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.
- For tile/stone applications in pools, fountains, showers or bathtubs, mix with 4237 Latex Additive or 3701 Mortar Admix. Wait 14 days before filling with water.
- Protect finished work from traffic or damage by other trades for an extended period of time during cold weather conditions.
- Keep out of reach of children.

## TECHNICAL DATA

### VOC

Green Building Council of Australia Green Star Office Design. VOC: <10 grams/Litre

### Physical Properties

When mixed with a LATICRETE Latex or water, 315 Adhesive meets the requirements of AS ISO 13007 .1 & .2 as follows:

315 with 4237 Latex Additive	C2TES2
315 with 3701 Mortar Admix	C2TES1
315 with 101 Rapid	C2TFS1
315 with Water	C2TE

LATICRETE 315 when mixed with either LATICRETE 3701 Mortar Admix or LATICRETE 101 Rapid Additive and tested over HYDRO BAN in accordance with AS ISO 13007 .5 – 2020 meets the requirements of classification DM P.

## Working Properties at 21°C

315 Adhesive mixed with 4237 Latex Additive:

Open Time	≥30 minutes
Pot Life	3 hours
Time to Light Traffic	24 hours
Wet Density	1680 kg/m <sup>3</sup>

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, 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 to provide a floated finish, CSP1 to CSP3. Dry, dusty concrete slabs or masonry should be cleaned dampened, and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28 days old before application. For tiles with edges shorter than 380mm, maximum allowable variation is 6mm in 3m from the required plane, with no more than 1.5mm variation in 300mm when measured from the high points in the surface. For tiles with at least one edge 380mm in length or longer, maximum allowable variation is 3mm in 3m from the required plane, with no more than 1.5mm variation in 600mm when measured from the high points in the surface. Expansion joints shall be provided through the tile work, over all construction or expansion joints in the substrate. Follow Australian Standard requirements for Movement Joints in AS 3958 or TCNA detail EJ-171 "Movement Joints - Vertical & Horizontal". Do not cover movement joints with adhesive.

### Mixing

Stir LATICRETE Admix thoroughly before use. Place clean, potable water or a LATICRETE Latex Admix into a clean pail. Add 315 Adhesive powder. Use approximately 5 – 5.4 litres of liquid for 20 kg of powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow adhesive to slake for 5 – 10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

Note: For improved bond strength, flexibility and immersed installation, use with LATICRETE 4237 Latex additive or LATICRETE 3701 Mortar Admix. For rapid "Open to Traffic" installations, use with LATICRETE 101 Rapid Latex Admix.

### 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 the proper sized notched trowel to insure full bedding of the tile. Spread as much adhesive as can be covered with tile in 10-15 minutes or whilst adhesive is still wet and tacky. Backbutter 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.

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

### Grouting

Grout after a minimum of 24 hours curing at 21°C using PERMACOLOR® Select Grout; PERMACOLOR Grout; or, PERMACOLOR NS Grout. For greater stain & chemical resistance use SPECTRALOCK PRO Premium Grout or other LATAPOXY Grouts. For further information see TDS1400.

### 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 adhesive use LATICRETE® Thin-Sets with 101 Rapid Latex Admix. Do not set tile when surface temperature is below freezing or when substrate is frozen. See TDS 1175 for more information.

### Hot Weather Note

The evaporation of moisture in Portland cement adhesives, mortars and grouts is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread adhesive and finished work when installing in temperatures over 35°C. See TDS 1018 for more information.

### 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:

Toll Free: 1800 331 012

Telephone: 07 3865 1599

For online distributor information, visit LATICRETE at [www.laticrete.com.au](http://www.laticrete.com.au)

### 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:

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](http://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.
- 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, LATAPOXY SP-100, SPECTRALOCK PRO Premium Grout<sup>1</sup> and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence.

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QLD 4014 Australia

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