



LATABOND™

LATABOND™ is a specially designed latex admixture for use in Portland cement mortars and adhesives for Heavy Duty performance. Designed to be used with LATICRETE 315 adhesive, Portland cement or site mixed sand and cement to make thin-set adhesives, slurry bond coats, cement mortar beds, cement renders, stuccos, cement grouts and other cement mixes to improve the performance of these mortars and cement mixes.

**Globally Proven
Construction Solutions**



FEATURES/BENEFITS

- Reduces water absorption of mortar.
- Interior and exterior installations.
- Fortifies thin-set adhesives.
- Increased bond and compressive strength.
- Superior flexibility.
- Shock, vibration, chemical and frost resistant.

SUITABLE SUBSTRATES

- Concrete
- Cement mortar beds
- Ceramic tile and stone*
- Cement backer board**
- Cement renders and plasters
- Concrete masonry and brick

* When used with suitable thin-set adhesives over prepared tile surface

** Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use. When used with suitable thin-set adhesive.

USES

Used in place of water, LATABOND improves the performance, working and physical properties of any cement mix and provides an economical and easy way to make permanent, trouble-free installations of ceramic tile, brick, natural stone or pavers.

PACKAGING

- 20 litre pail; 32 pails per pallet

MANUFACTURER

LATICRETE Australia Pty Ltd
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Virginia, QLD 4014 Australia

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Toll Free: 1800 331 012
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Internet: www.laticrete.com.au

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year 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, agglomerates and tile.
- Adhesives/mastics, adhesives and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproofing membrane is required, use a LATICRETE 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 installations where L =span length.

Cautions

- See SDS for more safety information
- When using site mixed sand with cement, ensure sand is dry to avoid dilution of the latex.
- The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work in high temperatures.
- During cold weather, protect finished work from traffic until fully cured.
- Keep out of reach of children.

TECHNICAL DATA

Performance Properties

LATABOND™ when mixed with LATICRETE 315 Adhesive is a C1ES2 Adhesive.

LATICRETE 226 Thick Bed Mortar mixed with LATABOND.

Test Method	Result
Specific Gravity	1.02
Density of Mortar	1,842 kg/cubic metre
28-day Compressive Strength	$>25\text{ MPa}$

INSTALLATIONS

Unless otherwise stated in this document, LATICRETE Technical Data Sheets and guidelines, all work should be in accordance with AS3958-2023.

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

Preparation

All surfaces should be between 4°C – 32°C and structurally sound, clean and free of all laitance, dirt, oil, grease, loose peeling paint, concrete sealers, form release oils or curing compounds or anything that may inhibit bond. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface.

Application Outlines

(Consult LATICRETE guidelines and technical data sheets for more complete information).

Bonded Mortar Beds

Add LATICRETE 226 Thick Bed Mortar or 3:1 site mixed dry sand/Portland cement to LATABOND, preferably in a forced blade static drum mixer and slowly mix to the desired semi-dry consistency. Before placing the mortar, apply a slurry bond coat made of LATICRETE 254 Adhesive or other suitable LATICRETE slurry bond coat, nominally 2mm thick and worked well into the surface. While the slurry bond coat is wet & tacky, spread the mortar over the bond coat and compact well to the desired finish levels and falls. Be sure the mortar is well compacted. If placing tile or paver immediately over the plastic mortar, apply a slurry bond coat, nominally 2mm thick on top of the freshly placed full bed mortar. While the slurry coat is still wet place the tile/paver and beat in. Wait 12 – 24 hours or until work is firm before grouting. Beds over 50mm thick shall be done in layers.

Thin-Set Adhesives

Add LATICRETE 315 Adhesive to desired quantity of LATABOND. Mix until mortar is creamy and plastic. Allow mortar to slake 5 – 10 minutes then remix. DO NOT OVER MIX. Work the adhesive into the surface using the flat side of the trowel. Then apply additional adhesive with the notched side, taking care to use enough adhesive so that the tiles will be completely bedded in adhesive. Back butter large tiles $>200\text{ mm} \times 200\text{ mm}$. Place tile while adhesive is still wet and tacky. Twist and beat tiles to firmly bed. Allow adhesive to set until firm before grouting.

Grouting

Mix LATABOND with LATICRETE 226 or unmodified cement grout to a smooth, stiff consistency. Grout colour may vary due to working conditions. Dampen the tile surface with water. Place grout on floor and work into joints using a hard rubber float. Use diagonal strokes to pack the joints. Remove excess grout by holding the float at a right angle to the surface and work diagonally across the joints. Allow grout to become firm before cleaning. Rub surface with a nylon pad or a coarse cloth. Use minimal water for clean up.

Renderers & Plasters

Add the LATABOND to the LATICRETE 226 Thick Bed Mortar or 3:1 site mixed dry sand and Portland cement and slowly machine mix. Adjust the mixture to produce a trowelable mortar mix with a small amount of additional latex or dry powder as required. Apply with trowel in the same manner as normal plasters. Work mortar into surface with trowel. Trowel lightly to remove any surface marks. DO NOT OVER TROWEL. Do not attempt to apply more than 12mm of mortar on the wall surface at one time. Scratch and allow to dry between lifts. The coating can be finished with a wood, cork, or sponge float to provide decorative textured finishes. Cover any installation subject to rapid drying conditions such as hot temperatures, sunlight and wind.

Cold Weather Note

The setting of Portland cement adhesives and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. 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 .

Cleaning

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

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.

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.

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 specification.
- 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 Grout[†] and SPECTRALOCK 2000IG will not contribute to any noticeable efflorescence.

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