



LATAFLEX Gold Adhesive

A superior performance polymer fortified, rubber reinforced thin-set adhesive for installing ceramic tile and stone using the thin-bed method of installation.

**Globally Proven
Construction Solutions**



FEATURES/BENEFITS

- Creamy easy to use formulation. Superior workability.
- Medium build, non sag adhesive for large tiles.
- Helps to prevent the transmission of cracks from approved substrates when subjected to horizontal in plane movement.
- Has a green footprint, consumes recycled rubber.

SUITABLE SUBSTRATES

- Concrete and concrete masonry
- Exterior glue plywood*
- Existing tiles*
- Gypsum boards*
- Cement backer boards**
- Screeds and mortar beds

* Interior use only

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

USES

Designed for the installation of particularly non porous tiles over; concrete, cement sheet, cement mortars and suitable waterproof membranes in both internal and external areas. Suitable for tile over tile application to internal installations.

PACKAGING/COLOUR

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

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

Approximate Coverage

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

- 9 – 10 m² with 6 mm x 6 mm trowel
- 5 – 6 m² with 10 mm x 10 mm trowel

Shelf Life

Factory sealed containers of the LATAFLEX Gold Adhesive are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area.

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

Limitations

- Use white adhesive for installing white or light coloured marble or stone.
- Not for extra heavy duty installations.
- Not for direct use over hardwood or strip wood flooring, particle board, Luan plywood or Masonite®.
- Not for use over expansion joints or structural movement cracks.
- Mastics, adhesives, mortars and pointing mortars for thin brick, masonry veneer, stone, ceramic tile, pavers and thin brick are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.
- Not for use in immersed installations.
- Use LATAPOXY® 300 Adhesive for installing green marble, Resin backed, or moisture sensitive tile, stone and agglomerates.
- **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/480 for thin bed stone installations where L=span length.

Cautions

- Consult MSDS for more safety information.
- 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.
- DO NOT take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.
- Efflorescence is a normal condition of Portland cement. Contact LATICRETE for information on reducing the effects of efflorescence.

TECHNICAL DATA

VOC - as per Green Building Council of Australia; Green Star Office Design V2 IEQ-13, Green Star Office Interiors V1.1 IEQ-11 & Green Star Office Design V3 IEQ-13 is 17grams per litre as VOC content per coating.

Performance Properties

LATAFLEX Gold Adhesive is classified as a C1TES1 when tested to AS4992.1&2.

Test Method	Result
28-day Tensile Strength – AS4992	1.1 N/mm ²
Porcelain 7-day Shear Bond – A118.4	1.75 MPa
Compressive Strength 7-day Test – A118.4	5.52 MPa
Transverse Deformation – AS4992	3 mm
28-day Shear Bond to Plywood – A118.4	1.08 MPa

Working Properties at 21°C

Property	Value
Open Time	30 minutes
Pot Life	4 hours
Time to Light Traffic	12 hours
Wet Density	1400 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

All work should be in general accordance with AS3958.1-2007.

Preparation

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all laitance, dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with a 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. New concrete slabs shall be cured and 7 days old before application. All surfaces must be plumb and true to within 5 mm in 3 m. Expansion 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 AS3958.1 Section 5.4.5 and AS3958.2 Section 4.5 or TCNA detail EJ-171 "Movement Joints – Vertical & Horizontal". Do not cover expansion joints with adhesive.

Mixing

Place potable water into a clean pail and add LATAFLEX Gold Adhesive powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Use approximately 6 litres of water per 20 kg bag. This will yield approximately 19 litres of adhesive. Allow adhesive to slake for 5 – 10 minutes. Remix without adding any more water or powder.

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 wet and tacky. Back butter large tiles >200 mm x 200 mm to provide full bedding and firm support if required. 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.

Grouting

Grout after a minimum of 12 hours curing at 21°C using PERMACOLOR® Grout; or, Sanded Grout or Smooth Grout mixed with 1776 Grout Enhancer. For maximum stain resistance use SPECTRALOCK® PRO Grout[†].

Cleaning

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

Tile on Tile Work

Existing internal ceramic tile must be firmly bonded to rigid floor construction. Tiled surfaces to receive tile must be; prepared by scarification to remove shiny and glossy glazes; cleaned to remove grease, wax, oil or any other contamination that will inhibit bond; cleaned with alkaline solutions like Tri-sodium Phosphate (TSP) or electric dishwasher powder and hot water after surface preparation (follow manufacturers safe handling instructions) if required; rinsed with clean water and allowed to dry after cleaning.

Substrates that have a layer of existing carpet or water soluble vinyl adhesive are not suitable to receive a tile or stone installation using the direct bond method. The carpet/water soluble vinyl adhesive should be thoroughly removed back down to the sound, suitable substrate before commencing with the tile installation.

Apply a continuous skim coat of adhesive, nominally 1.5 mm thick before combing additional adhesive over the skim coat using the appropriate sized trowel.

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

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