



# MULTIFLEX Adhesive

MULTIFLEX Adhesive is an economical, flexible, rubber, polymer fortified cementitious thin set powder for installing ceramic tile and natural stone to floors and walls.

**Globally Proven  
Construction Solutions**



## FEATURES/BENEFITS

- Creamy
- Long open time
- Non-sag
- Interior and exterior
- Thermal shock resistant
- For floor (light duty) and wall applications
- Very good impact resistance

## SUITABLE SUBSTRATES

- Concrete
- Cement block
- Cement mortar beds
- Cement render
- Concrete masonry
- Cement backer board\*\*
- Suitable waterproof membranes
- Gypsum wall board\*

\* Interior use only

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

## USES

Designed for interior and exterior floor and wall installations of ceramic tile and natural stone over concrete, cement sheet, suitable waterproof membranes, screeds and rendered substrates.

## PACKAGING/COLOUR

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

## 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

- 8 – 9 m<sup>2</sup> with 6 mm x 6 mm notched trowel
- 5 – 6 m<sup>2</sup> with 10 mm x 10 mm 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\* if stored off the ground in a dry area.

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

### Limitations

- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- Use white adhesive for white or light coloured marble/stone.
- Not for heavy duty applications.
- Not for direct use over tile, vinyl, plastic, steel, hardwood or strip wood flooring, particle board, Luan plywood, or Masonite®.
- 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 or L/480 for thin bed stone installations where L=span length unless more stringent deflection requirements are specified by building codes or building professionals.

### Cautions

- During cold weather, protect finished work from traffic until fully cured.
- Not for use in immersed installation like swimming pools.
- Some marbles and other natural stone have low flexural strength and may not be suitable for installation over wood floors.
- 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. Use rubber gloves when handling and wear eye protection to avoid eye contact.
- 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.

### TECHNICAL DATA

LATICRETE Multiflex Adhesive exceeds the requirements of a CITES1 Adhesive as per AS ISO13007.1&2.

### Working Properties at 21°C

Open Time	>30 minutes
Pot Life	4 hours
Time to Traffic	8 – 10 hours
Wet Density	1550 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

Unless otherwise noted by LATICRETE, all work should be in accordance with AS3958.1-2007.

### 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. New concrete slabs shall be cured and 7 days old before application. All slabs must be plumb and true to within 5 mm in 3 m. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow Australian Standards requirements for Expansion Joints in AS3958.1 Section 5.4.5 & 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 MULTIFLEX Adhesive powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Use approximately 6.5 – 7 litres of water per 20 kg bag; this will yield approximately 20 litres of adhesive. Allow mortar to slake for 5 – 10 minutes. Remix without adding any more water or powder.

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

## Application

Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side. Note: Use the proper sized notched trowel to insure full bedding of the tile. Spread as much mortar as can be covered with tile in 15 – 20 minutes. Back butter large tiles >200 mm x 200 mm to provide full bedding and firm support if required. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile. If mortar is skinned over (not sticky), remove and replace with fresh mortar.

## Grouting

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

## Cleaning

Clean tools and tile work with water while mortar 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 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](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 LATICRETE is not responsible for any loss or damage arising from the incorrect use of this product.
- 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>†</sup> and SPECTRALOCK 2000IG will not contribute to any noticeable efflorescence.

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