



# LATICRETE<sup>®</sup> AFA Anti-Fracture Adhesive

LDS256aus.0 100310



## 1. PRODUCT NAME

LATICRETE<sup>®</sup> AFA Anti-Fracture Adhesive

## 2. MANUFACTURER

LATICRETE Pty Ltd  
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VIRGINIA. QLD. 4014

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## 3. PRODUCT DESCRIPTION

LATICRETE AFA Anti-Fracture Adhesive is a 2-part flexible adhesive specially designed for use where an anti-fracture and crack prevention mortar is required. Its use will help in the reduction of cracking in tile installations due to limited horizontal substrate cracking. When cured LATICRETE Anti-Fracture will provide a long lasting, serviceable installation that will out perform more rigid adhesive on problem substrates. LATICRETE AFA Anti-Fracture Adhesive meets and exceeds the requirements of a C2TES2 classification when tested to AS4992.1 & 2.

### Uses

Designed for the installation of a variety of ceramic and natural stone tiles to internal and external areas.

### Advantages

- Creamy easy to use formulation. Superior workability.
- Will help reduce impact transmission.
- Interior and Exterior applications
- 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
- Suitable waterproof membranes
- Existing tiles\*
- Compress cement sheet~
- Exterior grade plywood\*~
- Cement terrazzo
- Gypsum boards\*
- Screeds, renders and mortar beds

*\*Interior use only.*

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

### Packaging

A full unit consists of 1 x 20 litre pail of Part A liquid and 2 x 20 kg bags of Part B powder

32 pails to the pallet  
64 bags to the pallet

### Colour

Grey coloured powder

### Approximate Coverage

Yield is approximately 25-26m<sup>2</sup> with a 6mmx 6mm trowel and approximately 16-17m<sup>2</sup> with a 10mm x 10mm notched trowel.

### Shelf Life

Factory sealed containers of the LATICRETE AFA Anti-Fracture 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.

Data sheets are subject to change without notice. For latest revision, check our website at [www.laticrete.com.au](http://www.laticrete.com.au)

### Limitations

- Use LATAPOXY 300® Epoxy Adhesive for installing green marble or water sensitive stone, agglomerates or tile.
- Use white mortar for installing white or light coloured marble or stone.
- Not for heavy duty applications.
- 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
- 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.

### Cautions

- During cold weather, protect finished work from traffic until fully cured.
- Keep out of reach of children.
- 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 and eye protection when handling this product.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear an approved respirator in dusty areas.
- Efflorescence is a normal condition of Portland cement. Contact LATICRETE for information on reducing the effects of efflorescence.

## 4. TECHNICAL DATA

### Working Properties @ 21°C

Property	Value
Open Time	30 minutes
Pot Life	4 hours
Time to light traffic	8-10 hours
Wet Density	1220kgs/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.

## 5. INSTALLATION

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 slabs must be plumb and true to within 5mm in 3m for thin-set installations. 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 and 2. Do not cover expansion joints with adhesive.

**DO NOT** bond to particle board, Luan, Masonite® or hardwood surfaces.

### Mixing

Place the AFA Part A liquid into a clean pail and add the AFA Part B powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Use approximately 10ltrs of AFA liquid per 20kg bag. Allow mortar to slake for 5-10 minutes. Remix without adding any more water or powder. Do not mix more than can be used in 4 hours.

### 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 10-15 minutes or whilst adhesive is wet and tacky. Back butter large tiles > 200mm x 200mm 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. Align tiles and clean excess adhesive off with a wet sponge or cloth. 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 LATICRETE Sanded or Unsanded Grout mixed with LATICRETE 1776 Grout Admix Plus. For maximum stain resistance use LATICRETE SpectraLock Pro Grout.

### Cleaning

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

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### ***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 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 mortar, nominally 1.5mm thick before combing additional mortar over the skim coat using the appropriate sized trowel.



## **6. AVAILABILITY AND COST**

### ***Availability***

LATICRETE® and LATAPOXY® materials are available worldwide. For distributor information:

Toll Free: 1800331012  
Melbourne Telephone: 03 99336111  
Brisbane Telephone: 07 38651599

### ***Cost***

Contact a LATICRETE Distributor in your area.

## **7. WARRANTY**

LATICRETE warrants that LATICRETE AFA Anti-Fracture Adhesive is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of ten (10) year from date of purchase subject to the terms and conditions stated in Data Sheet 230.10Paus LATICRETE Product Warranty. In addition, when used as a component of a LATICRETE System Installation, LATICRETE AFA Anti-Fracture Adhesive is warranted for a period of ten (10) years from the date of purchase subject to the

terms and conditions stated in Data Sheet 230.10Saus LATICRETE System Warranty.

### ***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, 300, GP100, SpectraLock, SP100 and 2000 will not contribute to any noticeable efflorescence.

## **8. 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.

## **9. TECHNICAL SERVICES**

### ***Technical assistance***

Information is available by calling:  
Toll Free: 1800331012  
Telephone: 0738651599