



**Globally Proven  
Construction Solutions**

## STRATA\_MAT™

STRATA\_MAT™ is a next generation high performance uncoupling mat for use under ceramic tile and stone installations, for both residential and commercial applications. Designed to replace traditional underlayment materials. The unique patent pending design of STRATA\_MAT provides for an enhanced mechanical bond of the adhesive mortar and provides for faster drying of the mortar, allowing for shorter time to grout. Specifically designed for use with both modified and unmodified mortars, STRATA\_MAT allows for the proper adhesive mortar to be used with porcelain or large format tiles and stone.



### FEATURES/BENEFITS

- Mortar Hydration Vents - creates a mechanical bond between the mat and adhesive mortar - allows the mortar to cure faster providing a stronger bond of tile at 16 – 24 hours for faster time to grout.
- Allows for use of the appropriate mortar per industry standards.
- Provides vapour management.
- Eliminates transmission of in plane substrate cracks of up to 3 mm.
- Instant coverage verification - allows for installer to see mortar coverage underneath the mat during installation without having to lift and verify.
- Allows for easier floor layout as chalk lines are easily visible on surface prior to tile installation.
- Part of the LATICRETE System Warranty.
- Rated Extra Heavy per ASTM C627.
- Lightweight, easy to carry and fast to install with standard tools.
- Can be used under moisture sensitive stone.

### PACKAGING/COLOUR

- 1.1 m x 12.2 linear metre roll; 12 rolls per pallet
- 1.1 m x 26.2 linear metre roll; 6 rolls per pallet

### SUITABLE SUBSTRATES

- Concrete
- Mortar beds
- OSB and other structural particle board flooring<sup>^</sup>
- Exterior glue plywood<sup>^</sup>
- Cement backer board
- Cement terrazzo
- Resilient Flooring
- Existing tile or stone
- Gypsum underlayment or light weight concrete<sup>\*</sup>

<sup>\*</sup> If gypsum or light weight concrete is used follow the manufacturer's recommendation regarding priming and/or special surface preparation before installing STRATA\_MAT.

<sup>^</sup> Interior use only.

### MANUFACTURER

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Virginia, QLD 4014 Australia

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Toll Free: 1800 331 012  
Fax: 07 3865 2250  
Internet: [www.laticrete.com.au](http://www.laticrete.com.au)

## Limitations

- DO NOT bond to luan or sponge backed vinyl flooring.
- For horizontal use over suitable interior or exterior substrates.
- Not for use over expansion joints or structural movement cracks.
- LATICRETE STRATA\_MAT is not intended for use as a waterproofing membrane.
- Not for wear surface, must be covered with tile.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.
- Minimum of 50 mm x 50 mm ceramic, porcelain or glass tile and stone can be set over STRATA\_MAT.
- 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.
- For green marble, resin backed or other moisture sensitive tile or stone, use LATAPOXY® 300 Adhesive.
- For white and light-coloured marbles use a white LATICRETE mortar.
- Suitable for exterior applications over concrete for patio, walkways and balconies or terraces over unoccupied space.

## TECHNICAL DATA

### Applicable Standard

ASTM C627, ANSI A118.12.

### Physical Properties at 21°C

Tested with LATICRETE 253 Gold.

Property	Test Method	Results
Thickness		3 mm
Point Load	ANSI A118.12 5.2	Pass
Robinson Floor Test - 16" oc - 19.2" oc	ASTM C627	Extra Heavy Extra Heavy

## INSTALLATIONS

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

### Preparation

#### Concrete Substrates

Concrete must be cured and structurally sound enough to support tile installation traffic as determined by design professional, construction manager, or general contractor. The surface shall be free of voids, sharp protrusions and loose aggregate. All surfaces should be between 4°C and 32°C and structurally sound, clean and free from all dirt, oil, grease, paint, concrete sealers or curing compounds and cement laitance. Rough or uneven concrete surfaces should be made smooth with a LATICRETE Latex Portland cement underlayment to provide a wood float or better finish. Do not level with gypsum or asphalt based products.

#### Timber Framed Backgrounds

Refer to LATICRETE Technical Data Sheet 1152 "Bonding Ceramic Tile, Stone or Brick Over Wood Floors". Construction of the substructure and the fixing of sheet materials as a background shall be as per section 4.4 Framed Floors in AS3958.1-2007 and the requirements of AS1684.2 Residential timber-framed construction including; AS1684.2, AS1684.3 & AS1684.4.

- Installer must verify that deflection under all live, dead and impact loads of interior timber floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L span length. Installation of STRATA\_MAT to the substrate:
- Install STRATA\_MAT to the substrate using the appropriate adhesive by LATICRETE. Mix the mortar on the loose side but still able to hold a notch to enable complete wetting of the STRATA\_MAT fleece layer. Using a LATICRETE polymer modified thin-set mortar apply to the substrate using a 6 mm x 5 mm V-notched trowel, being sure to key the mortar into the substrate. Ensure mortar is "wet-out" sufficiently to allow for optimal bedding of STRATA\_MAT. Spread only enough mortar that can be covered with STRATA\_MAT during the specified open time of the mortar.
- Embed STRATA\_MAT into the mortar, fabric side down. Using a trowel or screed, apply pressure to ensure proper bedding. Be sure to verify proper coverage beneath the mat. Areas of STRATA\_MAT embedded properly in the mortar will appear darker than areas not embedded, lift occasionally if necessary to verify coverage. Cut mat to appropriate lengths when approaching walls or other objects, leave approximately 6 mm between mat and edge of wall or object for movement.
- Install adjacent sections of STRATA\_MAT in the same manner, being sure to line edges of each section without leaving any gaps.
- When applying STRATA\_MAT to a structural flooring particle board, such as red tongue, use solvent free products like SikaBond® T54 or Bostik Ultraset with a 3 mm V-notch trowel and embed the fleece layer. Allow to dry prior to tiling top of STRATA\_MAT. Follow the adhesive manufacturers product and material safety data sheet.

**Installation of ceramic, porcelain or stone tiles onto STRATA\_MAT:**

- The unique patent pending design feature of STRATA\_MAT will provide for enhanced drying of the mortar between the porcelain tile and mat. LATICRETE recommends the use of a LATICRETE polymer fortified mortar (e.g. LATICRETE 335 Premium Flexible Adhesive) for all installations.
- Installation of the tile finish can begin immediately after embedding STRATA\_MAT into the bonding mortar. Begin by skimming or filling the surface of STRATA\_MAT using the flat side of the trowel, ensuring all circles and vents are completely filled. Follow by combing mortar over the mat using a notched trowel that is suitable for the size of tile being installed. Install tiles in accordance with industry guidelines.
- Depending upon adhesive mortar used, tile size, tile type and job site conditions, grouting may be done once mortar has cured enough to allow for light foot traffic – STRATA\_MAT usually will allow for grouting at 16 – 24 hours.

**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 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](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.
- 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<sup>†</sup> and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence.

**LATICRETE Australia Pty Ltd**

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