

1. PRODUCT NAME

LATICRETE[®] 150 Sound Control Membrane

2. MANUFACTURER

LATICRETE Pty Ltd
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 Footscray West. VIC. 3012.
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3. PRODUCT DESCRIPTION

LATICRETE 150 Sound Control Membrane consists of a 55mil (1.4mm) composite of a rubberized membrane laminated to a high strength reinforcing fabric on the face and a siliconized, removable release sheet on the adhesive side.

Uses

LATICRETE 150 Sound Control Membrane, is especially designed to be used under Thin-Bed Adhesive for interior floor installations of ceramic tile, marble, stone, and brick to reduce transmission of noise from one floor to the floor below. LATICRETE 150 Sound Control Membrane is a high performance acoustical underlayment system that muffles impact noises and reduces sound transmission through ceramic tiles, stone and other hard surfacing materials. LATICRETE 150 Sound Control Membrane combines low installed weight with minimal "above substrate" thickness. LATICRETE 150 Sound Control Membrane should be applied to the entire substrate prior to the installation of ceramic tile, marble, stone, terrazzo and brick.

Advantages

- Easy and fast to install with standard tools
- Ready for tiling immediately after installation
- Also acts to isolate cracks

Suitable Substrates

- Concrete
- Exterior Grade Plywood*
- Cement Terrazzo
- Cement Backer Board**
- Mortar Beds

*Interior use only.

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

Packaging

LATICRETE 150 Sound Control Membrane

0.9m x 15m, 13.5m² roll,
 30 rolls per pallet

LATICRETE Mat & Membrane Primer

5 litre jug and 20 litre pail

Approximate Coverage

LATICRETE Mat & Membrane Primer
 25-30m² per 5 litre depending on substrate porosity.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >0°C and <43°C.

Limitations

- For horizontal use over suitable interior substrates only.
- Suitable substrates must be treated with LATICRETE Mat & Membrane Primer before LATICRETE 150 Sound Control Membrane is applied (see "Application")
- This product should not be stored in direct sunlight. If necessary to store outdoors cover with tarpaulin and provide adequate ventilation.
- DO NOT DOUBLE STACK PALLETS
- Do not apply primer or membrane to frozen, damp or contaminated surfaces. Best results are obtained when membrane is installed at temperatures above 4°C and below 32°C
- Not for use over expansion joints or structural movement cracks
- LATICRETE 150 Sound Control Membrane is not intended for use as a waterproof membrane
- 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 over the LATICRETE 150 Sound Control 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

- Keep out of reach of children.

4. TECHNICAL DATA

Physical Properties

Property	Test Method	Results
Total Thickness		55 mils (1.4mm)
Fabric Thickness		18 mils (0.46mm)
Elongation	ASTM D882	300% minimum
Tensile MD	ASTM D1682	8.76Mpa
Tensile CD	ASTM D1682	8.62Mpa
Pliability	ASTM D146	Pass-32°C
Adhesion to Plywood	ASTM D1970	0.72kg/cm
Adhesion to concrete (with primer)	ASTM D903	1.25kg/cm
Robinson Floor Test	ASTM C627	Heavy (TCA Service Rating)
Sound Rating*	ASTM E-492	IIC 50

*Floor configuration consisted of an acoustical drop ceiling under a 152mm thick concrete slab.

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

Preparation

Concrete shall be in place for 14 days (minimum) at 21°C and shall be dry. The surface shall have a smooth finish and 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 of all dirt, oil, grease, loose peeling 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. Refer to LATICRETE Technical Data Sheet 152 (refer to Section 10, Filing Systems).

1. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length;

2. Minimum construction for interior plywood floors: **SUBFLOOR:** 15mm thick exterior grade plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 400 mm o.c. maximum; fasten plywood 150mm o.c. along sheet ends and 200mm o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 3mm between sheet ends and 6mm between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive; **UNDERLAYMENT:** 15mm thick exterior grade plywood fastened 150mm o.c. along sheet ends and 200mm o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 3mm to 6mm between sheets and 6mm between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Requirements for Direct Bonding of Ceramic or Stone Tiles Over Wood Floors" for complete details.

3. **DO NOT** bond to particle board, luan, Masonite® or hardwood surfaces. **For white and light colored marbles use LATICRETE® 220 Marble and Granite Mortar WHITE. For green and moisture sensitive marbles, use LATAPOXY® 300 Epoxy Adhesive, refer to Data Sheet 633.0.**

Application

Sound Control Primer Application: Stir or shake water-based LATICRETE Mat & Membrane Primer thoroughly. Apply with a long nap roller, brush or squeegee. Apply evenly at 5-6 m²/liter. Porous substrates will require more primer. LATICRETE Mat & Membrane Primer has dried satisfactorily when the surface is tacky but does not transfer when touched, 30 minutes – 1 hour.

Membrane Installation: Place LATICRETE 150 Sound Control Membrane with the release paper still attached over the area to be treated. Unroll the membrane and cut, leaving 100 – 150mm excess at one end. Roll up half of the membrane leaving the other unrolled. Cut the release paper towards you exposing the tacky surface of the membrane and carefully attaching the membrane onto the primed floor, avoiding wrinkles and bubbles. When this

portion of the membrane is installed, repeat the procedure with the unrolled portion of the membrane. Bubbles and wrinkles should be slit and smoothed with a roller or trowel. On full coverage carefully butt edges. Do not overlap. Immediately after installation, press firmly to insure good contact with substrate and to minimize air entrapment. Rolling with a 34kg or heavier roller is recommended. Work from the center of the membrane to the edges. Ceramic tile, marble, stone, or brick can be installed immediately after the membrane has been installed using a LATICRETE Latex Fortified or Thin-Set Mortar. Isolate all walls, protrusions and restraining surfaces with acoustical grade caulk. Caulk joints must be carried through the LATICRETE 150 Sound Control Membrane and tile or stone layer.

6. AVAILABILITY AND COST

Availability

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

Toll Free: 1800331012

Telephone: 03 99336111

www.LATICRETE.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

LATICRETE International, Inc. warrants that LATICRETE® 150 Sound Control Membrane is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions stated in Data Sheet 230.1 Paus LATICRETE Product Warranty.

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: 03 99336111

FAX: 03 99336199