



LataCoustic Sound Control

LataCoustic Sound Control is composite of recycled rubber particles and other selected sound attenuating granules to form a high density acoustical control mat is available in varying thickness to aid in sound transmission reduction in tiled and other types of internal floor installations.

Globally Proven Construction Solutions



FEATURES/BENEFITS

- Easy and fast to install with standard tools.
- Easy to cut to size.
- Ready for tiling relatively soon after installation.
- Available in a variety of thicknesses and performance levels.
- Has a green footprint, consumes recycled rubber.

USES

For use in residential homes, apartments, hotels, shopping centres, airports, office building or where ever sound control is required. LataCoustic Sound Control is especially designed to be used under thin-bed adhesive for interior floor installations of ceramic tile, marble, stone, brick, vinyl, parquetry and the like to reduce transmission of noise from one floor to the floor below.

LataCoustic Sound Control is a high performance acoustical underlayment system that muffles impact noises and reduces sound transmission through ceramic tiles, stone and other hard surfacing materials. LataCoustic Sound Control combines low installed weight with a minimal "above substrate" thickness. LataCoustic Sound Control should be applied to the entire substrate prior to the installation of ceramic tile, marble, stone, terrazzo and other suitable hard finishes.

PACKAGING/COLOUR

LataCoustic Sound Control

- 1.2 m x 15 m x 3 mm thick: 20 rolls per pallet
- 335 Premium Flexible Adhesive
- 20 kg bag; 56 bags per pallet

SUITABLE SUBSTRATES

- Concrete and concrete masonry
- Exterior glue plywood*
- Existing tiles
- Timber floors
- Compressed cement sheet**
- Screeds and mortar beds

* Interior use only

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

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

3 mm thick – 18 m² per roll of LataCoustic Sound Control

335 Premium Flexible Adhesive will bond approximately 6 – 8 m² of mat to a level surface per 20 kg bag

Shelf Life

Factory sealed packages of the LataCoustic Sound Control are guaranteed to be of first quality for two (2) years if stored off the ground at temperatures >0°C and <43°C.

Factory sealed containers of the 335 Premium Flexible 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 bagged product.

Limitations

- For horizontal use over suitable interior substrates only.
- This product should not be stored in direct sunlight. If necessary to store outdoors cover with tarpaulin and provide adequate ventilation.
- Apply a LATICRETE waterproof membrane over the mat when used in wet area work.
- Mats should be bonded to substrates prior to thin or thick bed tile installations being made, including the application of mortar beds.
- DO NOT DOUBLE STACK PALLETS.
- Best results are obtained when underlayment is installed at temperatures above 4°C and below 32°C.
- 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 Waterproof Membrane over the LataCoustic Sound Control.
- **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.
- Tiles fixed directly to mats should be generally larger than 200 mm x 200 mm in size. This may vary however depending on mat thickness and density. Consult LATICRETE.
- This product is not intended for use in areas where it will be subjected to excessive point loads or heavy wheel loads.

Cautions

- Keep out of reach of children.
- 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.
- Dimensionally unstable, water sensitive or UV sensitive stone or tile may cause delamination of the mat in thin-set applications through warping or curling of the finished veneer.
- For white or light coloured marbles use LATICRETE® 335 Premium Flexible Adhesive White.
- Do not use solvents to prepare substrates or remove adhesive residues.

TECHNICAL DATA

Total VOC's ASTM D5116

0.2 mg/m²/hr (24 hrs).

Physical Properties

Property	Values
Total Thickness	3 mm
Density	850 kg/m ³
Colour	Black/Blue

Sound Attenuating Properties as per AS ISO 717.2-2004, ISO 140-8-1997 (E) & ISO 140-8

Product	3 mm LataCoustic Sound Control mat with thin-set fixed tiles over
Delta ΔL _w (dB) reduction	16
L _{n,w} + C _i Result	61

Tests were performed by the CSIRO at the Highett facility on a 150 mm thick slab with no ceiling below – April 2009. Porcelain tiles were thin-set installed over mat or screed with 335 Premium Flexible Adhesive and then pointed with LATICRETE grout prior to the test.

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.

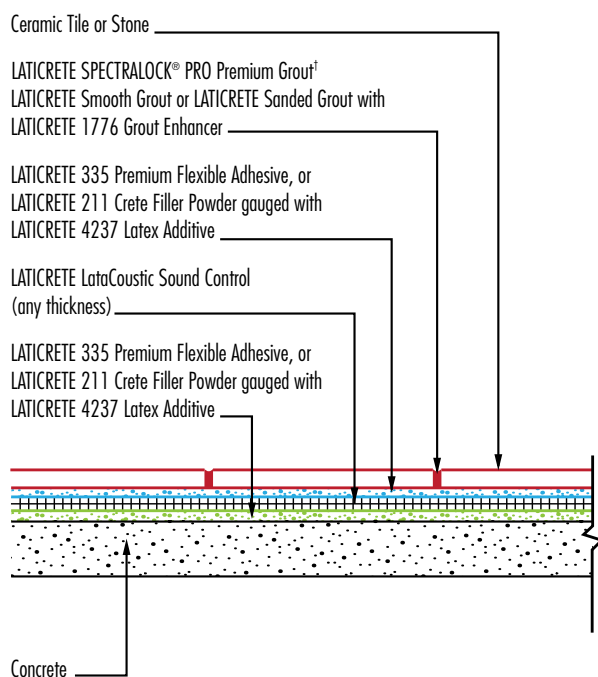
INSTALLATIONS

Concrete shall be a minimum of 28 days old and shall be dry. The surface shall have a wood float finish and be free of voids, sharp protrusions and loose aggregates. All surfaces should be between 4°C and below 32°C and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers, curing compounds, laitance or anything else that may inhibit bond. Rough or uneven concrete should be made smooth with a LATICRETE Latex Portland cement underlayment to provide a wood float finish. Do not level with gypsum or asphalt based products.

Application

Perimeter Isolation Strip

It is essential that all walls and other building elements are isolated from the floor. It is required to install a strip of LataCoustic Sound Control to the known final finished floor level or above for trimming latter to the entire installation perimeter. This also includes any protrusion or abutment within the works to isolate or break the vibration transmission path between the floor and wall or upturn. This is installed prior to the floor mat. The formation of complete voids for filling with acoustic caulking is also an acceptable method of perimeter isolation.



Common detail for LataCoustic Sound Control.

Thin-Set Application over LATICRETE LataCoustic Sound Control

Use 335 Premium Flexible Adhesive, 4237 Latex Additive/211 Crete Filler Powder or approved urethane adhesive to adhere the LataCoustic Sound Control to the substrate. Follow specific manufacturers instructions when using urethane adhesives. Use a 6 mm x 6 mm notched trowel and comb mortar over substrate, apply only enough mortar as can be covered within 15 minutes. Unroll the LataCoustic Sound Control into place, in the thin-set adhesive mortar. Once installed, use a 10 kg to 20 kg roller to embed the LataCoustic Sound Control firmly into the thin-set adhesive mortar. Allow to cure as per the instructions. Continue to install the LataCoustic Sound Control over the rest of the area to be treated, do not overlap edges but be sure edges of each piece butt firmly together. Trim lengths of mat to desired length and width. Once fully cured, install ceramic tile, porcelain or stone finish directly over the LataCoustic Sound Control using 335 Premium Flexible Adhesive or 4237 Latex Additive gauged with 211 Crete Filler Powder. Follow the instructions on adhesive packaging.

LATICRETE® 3701 Fortified Mortar Bed or Mortar Bed Application Over LataCoustic Sound Control Installation

Use a minimum 20 mm thick 3701 Fortified Mortar Bed or a minimum 40 mm thick, non proprietary sand/cement bed directly over the LATICRETE LataCoustic Sound Control.

Mixing

1. Prior to applying any mortar bed to LataCoustic Sound Control, prepare a well mixed bond coat of 335 Premium Flexible Adhesive.
2. Mix the 3701 Fortified Mortar Bed or the non-proprietary mortar bed which should consist of 3:1 site mixed sand and Portland cement using only sufficient water or Latabond to hydrate mix. Mixing by a rotating paddle, drum mixer is preferred. Adjust mix ratio to suit requirements.
3. Beds that exceed 50 mm in thickness should be laid in two layers with the appropriate steel reinforcing installed.

Application

Apply the bond coat only to those areas that are to be immediately covered by the fresh mortar. Do not allow bond coat to dry out and skin prior to application of mortar bed. Apply with a stiff broom or brush to work the bond coat into the mat and leaving a nominally 2 mm thick wet and tacky coating.

Immediately cover the wet and tacky bond coat with the 3701 Fortified Mortar Bed or non proprietary mortar compacting and striking off to the desired levels and falls to a wood float finish. Allow to cure prior to fixing tiles or other finishes including timber floors and carpet. **Note:** Never mechanically fasten any material through the LataCoustic Sound Control. Mechanical connections such as nails, screws, staples and the like will transmit noise through the building structure and compromise the sound control ability of the LataCoustic Sound Control.

Small format tiles including large mosaics are not suitable for direct adherence to the LataCoustic Sound Control.

Make sure the LataCoustic Sound Control installation is cured for 24 hours at 21°C prior to allowing foot traffic to occur without movement of the mat.

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.

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

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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