



FORMAN
BUILDING SYSTEMS

Product Data Sheet

THERMALINER

Insulated Lining Board

Product Description

Thermaliner is a factory laminated, pre-insulated, durable, internal plasterboard lining. Combining Styrofoam® extruded polystyrene foam sheet laminated to GIB® Plasterboard.

Thermaliner provides effective resistance to water vapour or moisture, extremely high insulation properties, ease of installation and cost effectiveness.



PRODUCT ADVANTAGES

- Suitable for stud, brick & masonry and ceilings
- One easy installation
- Faster construction time
- No need for battens
- No need for separate insulation applied individually
- Can be manufactured using both standard & specialty GIB® Aqualine®
- Polystyrene available in a variety of thicknesses

PRODUCT PROPERTIES

- Nominal Board sizes: 1200 wide x 2400, 2700, 3600, 3600mm long
- Nominal thickness: std 30mm overall
- Nominal plasterboard thickness: std 10 mm
- Nominal Styrofoam®* thickness: std 20mm
- Nominal Styrofoam® density: 25kg / m3
- Thermal Resistance: R 0.73 m²C/w

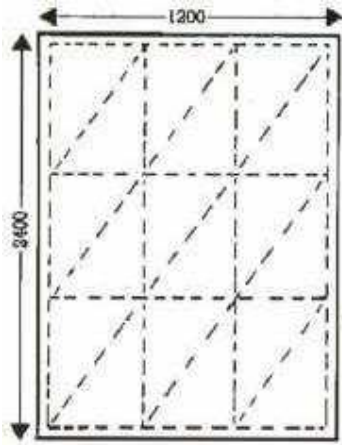
WATER RESISTANCE PROPERTIES OF STYROFOAM®

Water Vapour Transmission rate (WVT) max
AS2498.5 100 µg/m2s

Water Absorption max. 1.7% v/v
Average: 0.7% v/v

FIXINGS DETAILS

Before fixing Thermaliner ensure that the substrate is clean and dry. Bostik Tuff as Nails will ensure a good bond between Thermaliner and the substrate. One 375ml tube of Bostik Tuff as Nails per 2.400 x 1.200 sheet is the appropriate usage. The adhesive pattern onto the substrate should be of continuous beads (not daubs) as per diagram below.



The sheet should then be brought into contact with the adhesive and slid the last 10mm horizontally into place. This ensures the skin which forms on the adhesive when first applied is broken and good contact is made with both surfaces. Position the sheets so as to leave a 10mm gap at the floor line. Temporary fixing may be required by either nail pads or bracing, and these should be left in place until the adhesive has cured. This time may vary depending on temperature and humidity.

In conjunction 6 mechanical fixings may also be used per 2400 x 1200 sheet, spaced 200mm in from top, base and sides of each board i.e. two at the top, two in the middle and two at the base. For fixing to masonry use 6 Reid nylon anchors. (6.5 x appropriate length for sheet thickness). For fixing to timber or steel stud use mechanical fixings suitable for plasterboard (as per plasterboard manufacturers recommendations).

Mechanical fixings are always required if using Thermaliner as a ceiling lining board.

Prior to fixing Thermaliner to masonry or brick substrate preparation may be required depending on the substrate surface quality.

Styrofoam® – Trademark of DOW

The information in this leaflet is issued in good faith.
Forman Building Systems Ltd can accept no responsibility for omissions or errors in content or interpretation.



CALL FREE NATIONWIDE 0800 45 4000

AUCKLAND
09 276 4000

HAMILTON
07 850 8395

ROTORUA
07 348 2733

WELLINGTON
04 568 7132

CHRISTCHURCH
03 379 9329

DUNEDIN
03 474 1800

www.forman.co.nz