



FORMAN
BUILDING SYSTEMS

Product Data Sheet

November 2006

FORMALINER™ INSULATED LINING BOARD

PRODUCT DESCRIPTION

Formaliner is a factory laminated, pre-insulated, durable, internal plasterboard lining. Combining Polyfoam™ expanded polystyrene sheet laminated to GIB® plasterboard, Formaliner™ gives effective thermal control, prevention of moisture penetration, 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® plasterboard e.g. GIB® Aqualine etc.

PRODUCT PROPERTIES

- **Nominal Board Sizes:** 1200 wide, 2400, 2700, 3000x3600mm long.
- **Nominal Thickness:** Std 35mm overall
- **Nominal Plasterboard Thickness:** Std 10mm
- **Nominal Polystyrene Thickness:** Std 25mm
- **Nominal Polystyrene Density:** 16kg/m³
- **Thermal Resistance:** R 0.70 m²/C/w
- *Moisture gain of EPS by liquid water absorption 2.5% by volume (Test conditions ASTM C-272). EPS Rate of water transmission (max) 580ug/m² (AS2489 Method 5)

FIXING DETAIL

To ensure on site fixing of Formaliner to the highest standards, the following recommendations should be followed.

Before ~~fixing~~, Formaliner ensure that the substrate is clean and dry. Fix with Bostik Tuff as Nails construction adhesive to ensure a good clean bond between Formaliner and the substrate. In conjunction use 6 nylon anchors (6.5 x appropriate length for sheet thickness) per 2400 x 1200 sheet, spaced 20mm in from sides of each board within the tapered edge, i.e. two at the top, two in middle, and two at the base.

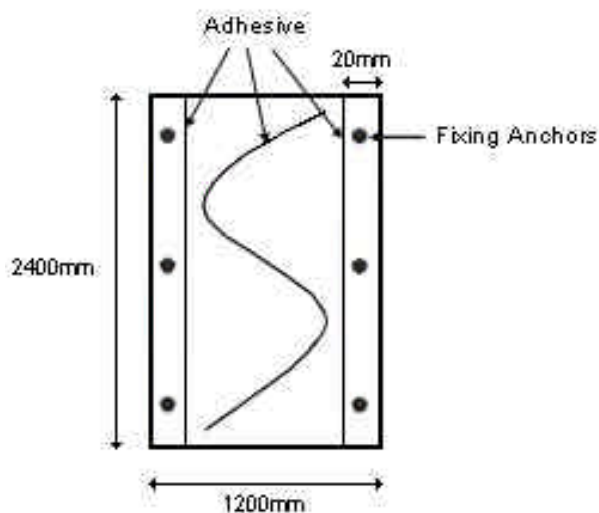
Depending on the substrate surface quality some preparation may be required before fixing Formaliner.

EDGE DESIGNS

Formaliner has a ship-lapped edge detail to avoid cold bridges and moisture breaks Formaliner butt edge detail is available by request.

FORMALINER™ is a simple cost effective versatile product that is accompanied with a stringent quality controlled manufacturing process that allows for special design in small quantities.

If you require special thickness, each detail, or surface sheet please contact a Forman Building Systems Sales Representative.



Allow one cartridge 375ml of Bostik Tuf as Nails per 2400 x 1200 sheet.

Use 6 tapered head nylon anchors spaced evenly along the edges. Two at the top, two in the middle, and two at the bottom of 2400 x 1200 sheet.

Place 20mm max from edge to ensure the pin is Within the tapered edge of the sheet.

Formaliner™ Cost Comparisons

Formaliner™ is a pre-insulated internal lining board combining Polyfoam™ polystyrene sheet laminated to GIB® plasterboard. Formaliner™ gives thermal control, prevention of moisture penetration, ease of installation and cost effectiveness.

The following cost comparisons have been based on current rates using material “trade discounted” prices and accepted labour productivity rates.

Included in the costings are the supply of materials, wastage, fixings, labour, and stopping.
Excludes GST and Main contractor's profit and overhead margins.

1. Formaliner™ with 10mm plasterboard and 20mm Polyfoam™	\$29.05 m ²
2. Formaliner™ with 10mm plasterboard and 25mm Polyfoam™	\$30.10 m ²
3. 20mm timber strapping and 10mm plasterboard linings	\$32.65 m ²
4. 50mm timber strapping, 50mm BIB insulation and 10mm plasterboard linings	\$39.26 m ²
5. 75mm timber strapping, 75mm R1.8 Batts™ and 10mm plasterboard linings	\$42.39 m ²

As carried out by Kingston Partners Limited, October 1997

Formaliner™ is the registered Trade Mark of Forman Building Systems Ltd.

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