

INSULBoard™

Foil faced expanded Polystyrene insulation

Product description and typical applications

INSULBoard™ is Expanded Poly Styrene (EPS) sheets faced both sides with a reflective foil laminate, one side with an anti-glare coating, to create a rigid board insulation material. *INSULBoard* is lightweight making it easy to handle and quick to install.

INSULBoard can be used in the cavity of double brick walls to meet minimum energy efficiency standards or to cover external studwork in brick-veneer construction, providing added protection against the elements during construction and allowing internal building works to continue even if external brickwork is delayed. *INSULBoard* can also be installed under timber joists for above ground floor construction.

Physical characteristics

Product	Nominal R-value (m ² k/w)	Size (mm)	Nominal Thickness (mm)	Area Per Pack (m ²)
INSULBoard 10	0.25	2400 x 1200	10	2.88
		2700 x 1200	10	3.24
INSULBoard 15	0.37	2400 x 1200	15	2.88
		2700 x 1200	15	3.24
INSULBoard 20	0.50	2400 x 1200	20	2.88
		2700 x 1200	20	3.24
INSULBoard 30	0.75	2400 x 1200	30	2.88

INSULBoard fasteners available at 100 per box

Total R-values

Refer to the ICANZ Insulation Handbook for building system calculations. www.icanz.org.au >Publications and Reports>Insulation Handbook.

Installation

Double Brick Cavity Walls (Winter Total R2.3 / Summer Total R2.1)

INSULBoard 10 can be skewered onto protruding brick ties before the second skin of bricks are constructed. Fletcher Insulation Vapastop® foil tape should be used to seal penetrations around the brick ties, securing the *INSULBoard 10* in place at the centre of the cavity to provide two air cavities of at least 20mm each, and to seal joints between sheets.

INSULBoard 10 can be cut to size using a sharp retractable blade knife.

Green Star compliant

Fletcher Insulation is committed to providing environmentally sustainable products. Fletcher Insulation products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement.



Combustibility

INSULBoard EPS insulation products must be considered combustible and to constitute a fire hazard if improperly used or installed. *INSULBoard EPS* products should not be exposed to open flames or other ignition sources. The material contains a flame retardant additive to inhibit accidental ignition from small fire sources.

AS1530.3 Early fire hazard properties of materials

INSULBoard EPS exhibit the following characteristics when tested in accordance with AS1530 Part 3:

Ignitability Index	12
Spread of Flame Index	0
Heat Evolved Index	3
Smoke Developed Index	5

Moisture resistance

Resistant to the adverse affects of moisture. Even when force saturated to moisture content ten times its dry weight, *INSULBoard* has been found to maintain 80% of its R-value.

Specification notes

State the following:

- Product name - Fletcher Insulation *INSULBoard*
- Specific thickness required: 10, 15, 20, or 30mm
- Brick tie protrusions and butt joints between sheets to be taped with Fletcher Insulation Vapastop® tape.



Low Allergen content with the ability to moderate temperature changes.



Fletcher[™]
Insulation

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NOTE: Fletcher Insulation Pty. Limited. reserves the right to change product specifications without prior notification. Information in this Publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but Because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given Or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application.

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