

TECHNICAL DATA SHEET

SISALBOARD™ EXPANDED POLYSTYRENE (EPS) INSULATION

Product description and typical applications

Sisalboard™ is composed of a rigid Expanded Polystyrene (EPS) board sandwiched between an upper and lower layer of Sisalation® reflective foil laminate. An anti-glare coating is applied to one side of the board to allow for increased safety during installation. The lightweight nature of Sisalboard™ EPS insulation makes it easy to handle and provides increased installation efficiencies.

Sisalboard™ EPS insulation is designed to provide thermal insulation properties and is suitable for use in a range of residential and commercial building applications. Sisalboard™ EPS insulation may be installed in the cavity of a double brick wall system designed to satisfy the requirements of AS 4773-2010 Clause 10.2. Sisalboard™ EPS insulation may also be used to cover external studwork in brick-veneer systems, providing added protection against the elements during construction; this allows internal building works to continue in the event the external brickwork is delayed. Sisalboard™ EPS insulation may also be installed under timber joists for above ground floor construction.

Physical characteristics

Material R-value m ² K/W	Nominal thickness mm	Width mm	Length mm	m ² per sheet	Product code
0.25	10	1200	2400	2.88	328110
		1200	2700	3.24	328112
0.37	15	1200	2400	2.88	328115
		1200	2700	3.24	328113
0.50	20	1200	2400	2.88	328120
		1200	2700	3.24	328114
0.63	25	1200	2400	2.88	328126
0.75	30	1200	2400	2.88	328130
1.25	50	1200	2700	3.24	328135

Thermal performance

The thermal performance of Sisalboard™ EPS insulation varies with application and installation method. For complete Total R-value guidance visit www.insulation.com.au/fletcherspecpro

Combustibility

Sisalboard™ EPS insulation must be considered combustible and constitutes a fire hazard if improperly used or installed. It should not be exposed to open flames or other ignition sources. Sisalboard™ contains a flame retardant additive to inhibit accidental ignition from small fire sources.

Early fire hazard properties

Sisalboard™ EPS insulation achieves the following results when tested in accordance with AS1530.3-1999:

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



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Moisture absorption

Sisalboard™ EPS insulation is resistant to the adverse effects of moisture. Even when force saturated to moisture content ten times its dry weight, Sisalboard™ has been found to maintain 80% of its declared Material R-value.

Green Star compliant

The use of Sisalboard™ EPS insulation guarantees the use of Zero Ozone Depleting Potential (ODP) insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOC's) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Specification notes

The insulation material shall be Fletcher Insulation Sisalboard™ Expanded Polystyrene Sheets R _____ m² K/W _____ x _____ x _____ mm (specify Material R-value, width, length, thickness). Brick tie protrusions and butt joints between sheets are to be sealed using Fletcher Insulation Vapastop® 883 tape.

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