

TECHNICAL DATA SHEET

SISALATION® FOAM CELL SHED LINER



Product description and typical applications

Incorporating a closed cell, cross-linked foam core encapsulated between an upper and lower layer of reflective foil laminate, Foam Cell SHED LINER is a high quality foam product suitable for use in non-habitable shed applications. It reduces up to 95% of the sun's radiant heat, minimises the risk of condensation and acts as an effective water and vapour barrier.

Foam Cell SHED LINER incorporates a 150mm overlap along one side edge to maximise coverage, minimise wastage and allow for sealed edge protection to improve aesthetics in exposed applications. An anti-glare coating is applied to one side of the product to minimise the level of glare experienced during installation.

Additionally, Foam Cell SHED LINER achieves an Extra Heavy Duty rating in accordance with Table 1 of AS/NZS 4200.1, thus providing maximum durability and increased tear resistance.

Note:

Foam Cell SHED LINER is suitable for use in shed applications only and is not suitable for use in residential or commercial building applications. For residential and commercial building applications, Sisalation® Foam Cell MULTIPURPOSE R0.2 is recommended.



Physical characteristics

Width	Overlap/flap	Length	Area per roll	Nominal weight per roll	Product code
mm	mm	m	m ²	kg	
1350	150	22.25	30	11.5	395262
1350	150	33.44	45	17.0	395269

Technical specifications

Emittance (reflective face) ASTM E408	0.03
Emittance (anti-glare face) ASTM E408	0.06
Duty rating AS/NZS 4200.1 Table 1	Extra heavy
Water barrier AS/NZS 4201.4	High
Vapour barrier ASTM E96	Medium
Shrinkage AS/NZS 4201.3	< 0.5%
Resistance to dry delamination AS/NZS 4201.1	Pass
Resistance to wet delamination AS/NZS 4201.2	Pass
Water absorbency AS/NZS 4201.6	Unclassified
Corrosion resistance AS/NZS 4859.1 Appendix I	Pass



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Thermal performance

Foam Cell SHED LINER complies with the requirements of AS/NZS 4859.1:2002 including Amendment 1. The thermal performance of Foam Cell SHED LINER varies with application, orientation and installation method. For complete Total R-value advice visit www.insulation.com.au/fletcherspecpro

Total R-values

The following table provides indicative Total R-value calculations based on typical systems. To determine the Total R-value for a broader range of system types, refer to www.insulation.com.au/fletcherspecpro

CLASSIFICATION IN ACCORDANCE WITH AS/NZS4200.1		
FLAT METAL ROOF*	SUMMER (Heat Flow DOWN)	WINTER (Heat Flow UP)
	R1.8	R0.8
METAL WALL**	SUMMER (Heat Flow IN)	WINTER (Heat Flow OUT)
	R1.0	R1.1
<small>Construction detail: metal wall or roof, 40mm unventilated air-space between the metal cladding and FOAM CELL. *Indoor still air-film (Winter Total R-value) **Indoor still air-film (Summer Total R-value) The declared Total R-values have been calculated in accordance with the methods outlined in AS4859.1 2002 including Appendix K. The contribution of this product to the Total R-value depends on installation and environmental conditions which includes the effect of dust. The Total R-value will be reduced in the event of the accumulation of dust on upward facing surfaces and in those cavities that are ventilated.</small>		

Important notes

- Sisalation® Foam Cell products must be kept dry and out of contact with alkaline products, cement and mortar.
- Sisalation® Foam Cell products are not designed to withstand weathering hence the external cladding should be applied without delay.
- Sisalation® Foam Cell products shall be installed in accordance with AS/NZS 4200.2:1994 "Pliable Building Membranes and Underlays - Installation Requirements for Metal Roofs, Tile Roofs and Walls". Additional guidelines are available for download via www.insulation.com.au or by contacting Fletcher Insulation on 1300 654 444.

Specification notes

When specifying, state the following:

The insulation material shall be Fletcher Insulation Sisalation® Foam Cell SHED LINER 1350mm x _____m (insert optimal length i.e. 22.25m or 33.44m) with a 150mm overlap and an Extra Heavy duty rating in accordance with AS/NZS 4200.1.

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