

## SISALATION® FOAM CELL SHED LINER

### Description

Sisalation® Foam Cell Shed Liner is an extra heavy duty sarking material consisting of a cross linked, closed cell foam core laminated between layers of reflective foil, with an anti-glare coating on one layer for installation safety. Shed Liner is specifically designed for use in wall and roof applications in non-habitable sheds and garages.

### Application

Sisalation® Foam Cell Shed Liner can reduce up to 95% of the sun's radiant heat, minimises the risk of condensation and act as an effective water and vapour barrier when installed according to AS/NZS 4200.2. The reflective face should be installed facing in and have a minimum air gap of 20mm to maximise thermal performance.

Sisalation® Foam Cell Shed Liner is easy to install and is produced with a 150mm wide (non-foam) section along one edge allowing for a seamless overlap to maximise coverage, minimise waste and improve aesthetics in exposed applications.

### Product Data

Nominal thickness mm	Width mm	Overlap/flap mm	Length m	Area per roll m <sup>2</sup>	Nominal weight per roll kg	Product Code
4	1350	150	22.25	30	11.5	395262
4	1350	150	33.44	45	17.0	395269

### Physical Properties

Properties	Test Method/Standard	Result	Unit
Thermal Resistance R-value	AS/NZS 4859.1	R0.1	m <sup>2</sup> K/W
Emittance (reflective face)	AS/NZS 4201.5	IR Reflective (0.03)	
Emittance (anti-glare face)	AS/NZS 4201.5	IR Semi-Reflective (0.06)	
Duty Classification	AS/NZS 4200.1 Table 1	Extra Heavy	
Vapour Control	AS/NZS 4200.1	Class 1 Vapour Barrier	
Water Control	AS/NZS 4201.4	Water Barrier	
Vapour Permeance	ASTM E96	< 0.0022	µg/Ns
Electrical Conductivity	AS/NZS 3100	Electrically Conductive	
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	

## Fire Hazard Properties

Sisalation® Foam Cell Shed Liner exhibits the following characteristics when tested in accordance with the following standards:

Property	Test Method/Standard	Result
Flammability Index	AS/NZS 1530.2	≤ 5 (Low)
BAL Compliance	AS 3959	Roof: 12.5–40 Wall: 12.5–FZ

## Thermal Performance

The thermal performance of Sisalation® Foam Cell Shed Liner varies with application, orientation and installation method.

## Thermal Properties

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, contact the Fletcher Insulation Technical team at [technical@insulation.com.au](mailto:technical@insulation.com.au)

	Shed Roof	Shed Wall
Heat flow in (Summer)	R1.8	R1.0
Heat flow out (Winter)	R0.8	R1.0

Shed Roof is based on flat roof with 40mm unventilated air gap, Sisalation® Foam Cell Shed Liner.

Shed wall is based on 3mm steel sheet, 30mm unventilated air gap, Sisalation® Foam Cell Shed Liner.

## Health and Safety

Sisalation® Foam Cell Shed Liner contains no substances which at their given concentration, are hazardous to health. Sisalation® Foam Cell Shed Liner contains aluminium foil and can conduct electricity. To avoid electrocution, care should be taken to ensure products do not come into contact with electrical wiring during installation or use. Refer to SUIS for more information.

## Technical Specification

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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