

TECHNICAL DATA SHEET

SISALATION®

MULTIPURPOSE EHD (456), MULTIPURPOSE LD (439)

Product description and typical applications

The Sisalation® Multipurpose range comprises of a Extra-Heavy Duty (EHD 456) and Light Duty (LD 439) variant, in accordance with AS/NZS 4200.1:1994.

Sisalation® Multipurpose EHD is designed for use as a pliable building membrane in the following applications:

- Residential brick veneer walls;
- Residential tile roofs (with the exception of slate) and;
- Residential metal roofs (can be installed either over or under the battens where a minimum air-space of 40mm can be maintained between the sarking and roof sheet).

Sisalation® Multipurpose LD is designed for use as a pliable building membrane in the following applications:

- Brick veneer walls;
- Metal walls and;
- Metal roofs (can be installed over or under the battens).

The proprietary design and manufacturing techniques employed in the development of Sisalation® Multipurpose products accounts for their various duty strength ratings. Sisalation® Multipurpose products assist in minimising draughts which enables bulk insulation to perform more effectively.

Additionally, when overlapped and sealed with Vapastop® 883 aluminium foil tape, Sisalation® Multipurpose products provide an effective secondary skin against moisture, vapour, wind, heat and dust penetration. The tough barrier also protects the building frame by minimising the amount of rain and dust the wind blows into the roof or wall cavity.

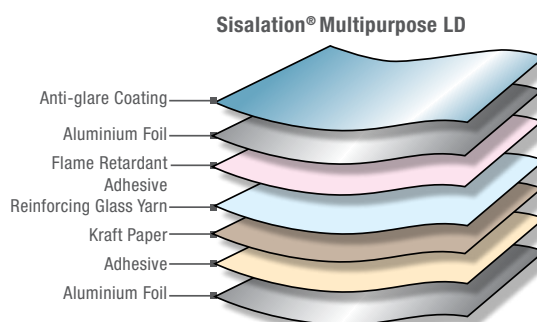
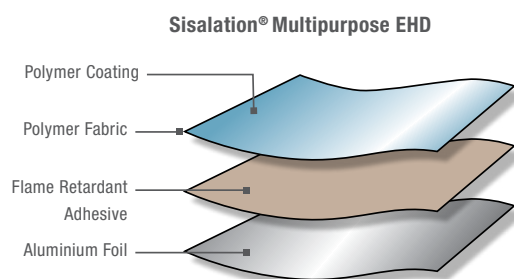
Sisalation® Multipurpose products also contribute to the thermal performance of building systems. When installed adjacent to a minimum 20mm airspace, their reflective surface provides increased thermal performance and contributes to the overall energy efficiency of a building.

Physical characteristics

Product	Width mm	Length m	Area per roll m ²	Weight per roll kg	Product code
Multipurpose EHD	1350	30	40.50	9.70	952330
		60	81.00	19.40	952360
	1500	30	45.00	10.80	952331
Multipurpose LD	1350	60	81.00	19.70	950260

Product composition

Sisalation® is a renowned building products brand that has pioneered the Australian industry for decades dating back to WWII. Years of experience, engineering and innovation enable Fletcher Insulation to supply a range of reflective foil composites specially designed to deliver optimum performance for each application.



*In accordance with AS 3059-2009 Construction of Buildings, Alterations and Additions in Bushfire Prone Areas



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Technical specifications

Sisalation® Multipurpose products achieve the following classifications in accordance AS/NZS 4200.1:1994:

	Sisalation® Multipurpose EHD	Sisalation® Multipurpose LD
Duty rating	Extra Heavy	Light
Vapour barrier	Medium	High
Water barrier	High	High
Emittance of reflective face	0.03	0.03
Emittance of anti-glare face	0.80	0.10
Flammability index (in accordance with AS 1530.2)	≤5	≤5
Tensile strength - machine direction (kN/m)	Min. 13.0	Min. 7.5
Tensile strength - lateral direction (kN/m)	Min. 10.5	Min. 4.5
Edge tear resistance - machine direction (N)	Min. 90	Min. 45
Edge tear resistance - lateral direction (N)	Min. 90	Min. 45

Compliance

Sisalation® Multipurpose products comply with the National Construction Code (NCC) for sarking type materials and satisfy the following requirements:

- AS/NZS4200.1: 1994 for 'Pliable Building Membranes'.
- Deemed to Satisfy Standard - recognised by NCC Volumes 1 and 2.
- Achieves a low Flammability Index (≤5) in accordance with AS1530.2:1993.
- NCC Volume 2 Part 3.7.1.9 Fire Hazard Properties (Class 1 & 10 Buildings).
- NCC Volume 1 Specification C1.10 Fire Hazard Properties (Class 2 to 9 Buildings). Suitable for use as a sarking type material in locations other than fire control rooms subject to Specification E1.8.

Bushfire Attack Level (BAL)

Roof applications	BAL LOW - 40*
Wall applications	BAL LOW - FZ*
*In accordance with AS 3959-2009 "Construction of Buildings, Alterations and Additions in Bushfire Prone Areas".	

Thermal performance

The thermal performance of Sisalation® pliable building membranes vary with application, orientation and installation method. For complete Total R-value guidance visit www.insulation.com.au/fletcherspecpro

Important notes

- Sisalation® pliable building membrane products must be kept dry and out of contact with alkaline products, cement and mortar.
- Sisalation® pliable building membrane products are not designed to withstand weathering hence the external cladding should be applied without delay.
- Sisalation® pliable building membrane 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.
- Building Designer to consider the suitability of this product based on the projects design requirements.

Green Star compliant

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation® and Sisalation® reflective foil products.

The use of Sisalation® pliable building membranes guarantees the use of zero 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 pliable building membrane material shall be Fletcher Insulation Sisalation® Multipurpose ____ (specify EHD 456 or LD 439).

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