

## Sisalation®

### Multi-Purpose Light Duty (439)

#### Product description and typical applications

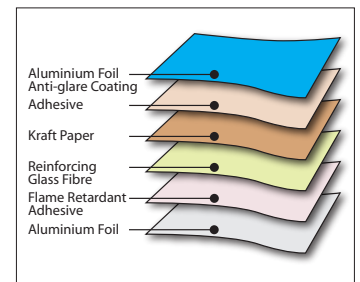
Sisalation® Multi-Purpose Light Duty (439) is a single sided anti-glare reflective foil laminate that can be used under suspended timber joists, to wrap brick veneer wall frames, and also under metal deck roofing. Flame retardant Sisalation is suitable for use in buildings in bushfire prone areas. Sisalation 439 provides an effective barrier against moisture, vapours, wind, heat and dust penetration when overlapped.

#### Physical characteristics

Roll Size	Width	Length	Area	Weight
	1350mm	60m	81m <sup>2</sup>	19.77kg

Sisalation Multi-Purpose Light Duty (439) has an outer layer of aluminium foil bonded to kraft paper bonded to a second foil with a coating of flame retardant adhesive and reinforced with strands of fibreglass. One face is blue to reduce any problems with reflected glare during installation.

Duty Classification:	Light Duty
Vapour Barrier:	High
Water Barrier:	High
Emittance of Reflective Face:	0.03
Emittance of Antiglare Face:	0.1
Flammability Index:	≤ 5 when tested
in conformance with AS 1530.2.	
Nominal Weight:	244gsm
Tensile Strength Machine Direction (kN/m):	Min 7.5
Tensile Strength Lateral Direction (kN/m):	Min 4.5
Edge Tear Resistance Machine Direction (N):	Min 45
Edge Tear Resistance Lateral Direction (N):	Min 45



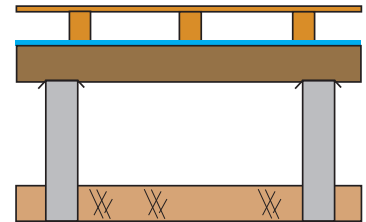
#### Green Star compliant

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. Air quality is maintained with Total Volatile Organic Compound (VOC) emissions below quantifiable levels.

## Thermal performance

Suspended Timber Floor	Summer	Winter	<i>Sisalation</i> installed over bearers, under floor joists. Can be retro-fitted
Enclosed subfloor	Total R1.4	Total R2.5	
Ventilated subfloor	Total R0.7	Total R1.2	

When used in conjunction with an airspace, *Sisalation* is an effective thermal insulation material because of the high reflectivity and low emissivity of its aluminium foil surfaces. *Sisalation* Multi-Purpose Light Duty (439) complies with the requirements of AS/NZS4859.1. The contribution of this product to Total R-value depends on installation and environmental conditions which include the effect of dust.



Comprehensive calculations of Total R-values for typical building systems are illustrated in the ICANZ Insulation Handbook which can be found at [www.icanz.org.au](http://www.icanz.org.au) > Publications and Reports > Insulation Handbook or contact Fletcher Insulation Technical Services 1800 000 878.

## Installation

*Sisalation* Multi-Purpose Light Duty (439) should be installed in accordance with AS/NZS4200.2 for the Installation Requirements for "Pliable Building Membranes". It should be installed with a 150mm overlap between runs. External cladding should be installed without delay. To achieve the stated Total R-values a minimum air space of 40mm is required adjacent to each reflective foil face. We recommend that all products in the *Sisalation* Metal Roof End Use Category™ should be installed with a sag of 40mm when installed over battens. Installing *Sisalation* under the battens is a sure way to achieve the required air space.

## Health and safety

There are no known health or safety risks associated with this product for applications described in this datasheet.

For additional information or to request a Material Safety Data Sheet please visit: [www.sisalation.com.au](http://www.sisalation.com.au) or contact your nearest Fletcher Insulation office.

## Specification notes

*Sisalation* Multi-Purpose Light Duty (439) satisfies the BCA requirements for sarking type materials. It complies with the requirements of AS/NZS4200.1: 1994 for "Pliable Building Membranes" which is the deemed to satisfy standard recognised by the BCA Part 3.5 Roof and Wall Cladding. It has a low flammability index (not greater than 5) in accordance with AS1530.2: 1993 which satisfies the BCA Part 3.7.1 Fire Hazard Properties (Class 1 & 10 Buildings). It also satisfies BCA Specification C1.10 2(a) Fire Hazard Properties (Class 2 to 9 Buildings), as sarking type material.

When specifying, state the following:  
 Product Name - *Sisalation* Multi-Purpose Light Duty (439)  
 Application - Metal Roof, Wall Wrap, Suspended Floor

*Sisalation* Multi-Purpose Light Duty (439) shall be installed in the nominated application.

Freecall SALES **1300 65 44 44** Technical Services **1800 000 878**  
 Email [info@insulation.com.au](mailto:info@insulation.com.au) Web [www.insulation.com.au](http://www.insulation.com.au)

NOTE: Fletcher Insulation Pty. Ltd. 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.

Fletcher Insulation Pty. Ltd. ABN 72 001 175 355. ™Trademarks of Fletcher Insulation. ™FBS-1 Bio-Soluble Glass Wool is a trademark used under license by Fletcher Insulation. © Copyright 2010.

TDS52 / FI\_0022\_000610\_38



CERTIFIED SAFETY  
MANAGEMENT SYSTEM  
AS/NZS 4801



CERTIFIED QUALITY  
MANAGEMENT SYSTEM  
ISO 9001

