

## Sisalation® Light Duty (420) & Sisalation® Light Duty White Ink (420WI)

### Application

Sisalation® Light Duty (420) is a fire retardant double sided reflective foil laminate. Sisalation® Light Duty (420WI) is identical but with a white ink coating. It is designed for applications where a white facing is desirable.

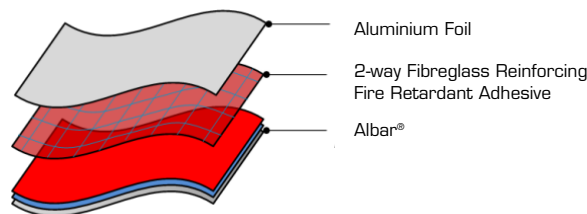
Both products are recommended for use in residential applications as a –

- Thermal insulating material
- Vapour barrier under suspended timber floors
- Wrap for brick veneer wall frames
- Metal deck roof underlay
- Vapour check layer for hidden or protected air-conditioning ducts
- Facing for building insulation blankets
- Barrier against moisture, water vapour, wind, heat and dust penetration when overlapped and sealed with a tape such as Vapastop® 883

### Features and Benefits

- Albar® on one side to provide one scuff resistance face
- Two-way fibreglass reinforcement for strength and edge tear resistance
- Fire retardant - will not support combustion and will limit the spread of flame
- Highly reflective to enhance lighting conditions
- Low emissivity to limit heat loss
- Manufactured with pure aluminium foil to provide an effective barrier against vapour

### Technical Data



Physical Property Classifications in Accordance with AS/NZS4200.1			
Characteristics	Results	Characteristics	Results
Duty Classification:	Light	Resistance to Dry Delamination:	Pass
Vapour Barrier:	High ( $\geq 450$ MN s/g)	Resistance to Wet Delamination:	Pass
Emittance (Al Face):	Reflective ( $\leq 0.05$ )	Shrinkage:	Pass
Emittance (White Face):	Reflective ( $\leq 0.1$ )	Folding Endurance:	Pass
Water Barrier:	High	Tensile Strength (kN/m):	M.D.: $\geq 7.5$ C.D.: $\geq 4.5$
Flammability Index:	Low ( $\leq 5$ )	Edge Tear Resistance (N):	$\geq 45$

The physical properties of Sisalation® (420) and (420WI) have been tested by independent accredited laboratories. The nominal results are typically representative of performance. Test reports are available on request.

### 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 during manufacture is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.

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### Thermal Performance

When used in conjunction with an airspace, Sisalation® is an effective thermal insulation material due to the high reflectivity and low emissivity of its aluminium foil surfaces. 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 roof systems are illustrated in the ICANZ Insulation Handbook which can be found at [www.icanz.org.au>PublicationsandReports>InsulationHandbook](http://www.icanz.org.au/PublicationsandReports/InsulationHandbook) or contact Fletcher Insulation Export Office.

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### Installation

Sisalation® Light Duty (420) and (420WI) should be installed in accordance with AS/NZS4200.2 "Installation Requirements for Pliable Building Membranes". Install with a 150mm overlap between runs, with each higher run lapping over the layer below. The product must be installed in such a way to prevent water from pooling.

Sisalation® Light Duty (420) and (420WI) is not designed to be exposed to weathering therefore external cladding should be installed without delay. To be effective as a thermal insulator there must be a minimum air gap of 40mm adjacent to at least one reflective foil face. Installing Sisalation® under the battens is an effective method to achieve the required air space.

#### When specifying, state the following:

Product Name: Sisalation® Light Duty (420) or Sisalation® Light Duty White Ink (420WI)

"Product Name" shall be installed under the battens as a thermal insulation, vapour barrier and sarking.

Aluminium foil is susceptible to alkali attack and therefore should not come in contact with wet concrete.

"Product Name" shall be installed under the battens as a thermal insulation and/or vapour barrier.

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### Standard Roll Size

1.35m x 60m (81m<sup>2</sup>)

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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 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.

**Manufactured in Australia by Fletcher Insulation Pty Ltd. under an ISO9001 Certified Quality Management System**

Fletcher Insulation Pty Ltd. A Fletcher Building Company. ABN 72 001 175 355  
600 Woodstock Avenue, Locked Bag 19, Rooty Hill, NSW 2766, Australia. Phone: +649 579 6789 Fax: +649 567 5130  
[www.sisalation.com.au](http://www.sisalation.com.au) [www.insulation.com.au](http://www.insulation.com.au) [info@tasmaninsulation.com](mailto:info@tasmaninsulation.com)  
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