

Sisalation® Metal Roof

Medium duty (433)

Product description and typical applications

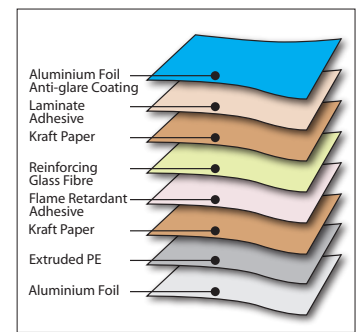
Sisalation® Metal Roof Medium Duty (433) is a double sided anti-glare reflective foil laminate recommended for use in the sarking of metal roofs. Flame retardant Sisalation is suitable for use in buildings in bushfire prone areas. Sisalation 433 provides an effective barrier against moisture, vapours, wind, heat and dust penetration when overlapped. Particularly when sealed with Sisalation® Vapastop® 883 self adhesive aluminium tape.

Physical characteristics

Roll Size	Width	Length	Area	Weight
	1350mm	60m	81m ²	25.71kg

Sisalation Metal Roof Medium Duty (433) has an outer layer of aluminium foil bonded to high density kraft paper bonded to a second foil with a heavy 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:	Medium 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:	317gsm
Tensile Strength Machine Direction (kN/m):	Min 9.5
Tensile Strength Lateral Direction (kN/m):	Min 6.0
Edge Tear Resistance Machine Direction (N):	Min 65
Edge Tear Resistance Lateral Direction (N):	Min 65



Green Star compliant

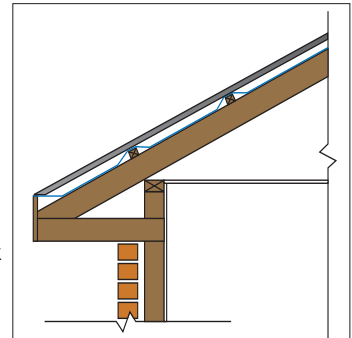
Fletcher Insulation is committed to providing environmentally sustainable products. Fletcher Insulation products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality is maintained with Total Volatile Organic Compound (VOC) emissions below quantifiable levels.

Thermal performance

Roofspace	Summer	Winter
Non-ventilated	Total R1.9	Total R1.2
Ventilated	Total R2.2	Total R1.0

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 Metal Roof Medium Duty (433) 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 tile roof systems is illustrated in the ICANZ Insulation Handbook which can be found at:
www.icanz.org.au>PublicationsandReports>InsulationHandbook
 or contact Fletcher Insulation Technical Services 1800 000 878.



Installation

Sisalation Metal Roof Heavy Duty (433) 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.

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

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 or contact your nearest Fletcher Insulation office.

Specification notes

Sisalation Metal Roof Medium Duty (433) 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 a sarking type material.

When specifying, state the following:

Application: Metal Roof

Product Name: Sisalation® Metal Roof Medium Duty (433)

Sisalation Metal Roof Medium Duty (433) shall be installed under the metal deck roof sheeting.

Freecall SALES **1300 65 44 44** Technical Services **1800 000 878**

Email info@insulation.com.au Web 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.

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