

Sisalation® Tiled Roof

Heavy Duty (466)

Product description and typical applications

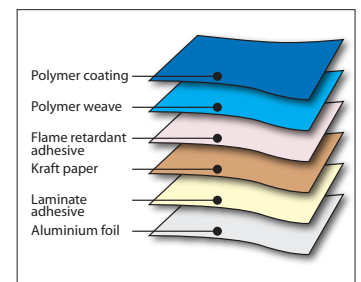
Sisalation® Tiled Roof Heavy Duty (466) is a single sided poly weave reflective foil laminate recommended for use in the sarking of tiled roofs.

Flame retardant Sisalation Tiled Roof Heavy Duty (466) is suitable for use in buildings in bushfire prone areas to lessen fire hazard by preventing the ingress of sparks into the roof space. It is a protective membrane that provides resistance to puncturing and tearing during installation of roof tiles which can result in rain ingress, particularly if roof tiles become cracked or damaged. It also 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
	1500mm	30m	45m ²	17.78kg

Sisalation Tiled Roof Heavy Duty (466) has an outer layer of aluminium foil bonded to high density Kraft papers, bonded together with a coating of flame retardant adhesive. This in turn is bonded to a high density polymer based weave fabric. The blue face of the weave reduces any problems with reflected glare during installation.



Duty Classification:	Heavy 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:	395gsm
Tensile Strength Machine Direction (kN/m):	Min 12.5
Tensile Strength Lateral Direction (kN/m):	Min 7.5
Edge Tear Resistance Machine Direction (N):	Min 80
Edge Tear Resistance Lateral Direction (N):	Min 80

Green Star compliant

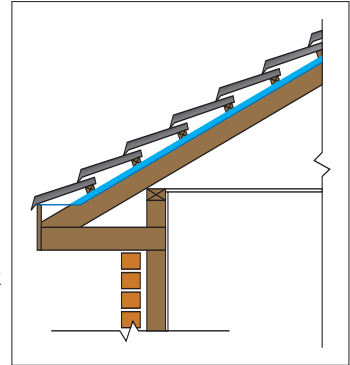
Fletcher Insulation is committed to providing environmentally sustainable products. Fletcher Insulation products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality is maintained with Total Volatile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

Thermal performance

Roofspace	Summer	Winter
Non-ventilated	Total R1.5	Total R1.0
Ventilated	Total R1.8	Total R0.8

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 Tiled Roof Heavy Duty (466) complies with the requirements of AS/NZS 4859.1: 2002 - Including Amendment 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](http://www.icanz.org.au/PublicationsandReports/InsulationHandbook) or contact Fletcher Insulation Technical Services 1800 000 878.



Installation

Sisalation Tiled Roof Heavy Duty (466) 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. Sisalation® under tiled roofs should be installed with 40mm battens over the antiglare surface. Sisalation in roofs should be installed with a 40mm sag. To achieve the stated Total R-values a minimum air space of 40mm is required adjacent to each side of the product. Sisalation Tiled Roof Heavy Duty (466) should not be installed under a metal deck roof Aluminium foil is susceptible to alkali attack and therefore should not come in contact with wet concrete or mortar.

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® Tiled Roof Heavy Duty (466) 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: Tiled Roof

Product Name: Sisalation® Tiled Roof Heavy Duty (466)

Sisalation Tiled Roof Heavy Duty (466) shall be installed under the battens as a thermal insulation, vapour barrier and sarking.

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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 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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MANAGEMENT SYSTEM
AS/NZS 4801



CERTIFIED QUALITY
MANAGEMENT SYSTEM
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