Technical Data Sheet

Sisalation® Facing Foil

Heavy Duty (450)

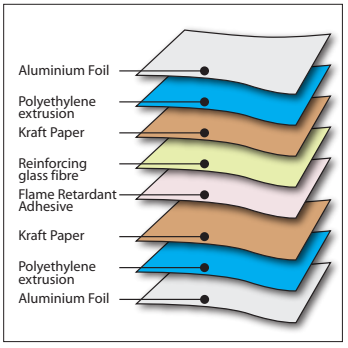
Product Description and Typical Applications

Sisalation® Facing Foil Heavy Duty (450) is a double sided reflective foil laminate recommended for use as a vapour barrier in the lining and lagging of air conditioning ducts, pipes and vessels. It is also used to face building blanket for metal deck roofing and underpinning concrete roof slabs, particularly when a strong, tear resistant facing is required. When used in conjunction with an airspace, it is an effective thermal insulation material because of the high reflectivity and low emissivity of its aluminium foil surfaces. It 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

	Width	Length	Area	Weight
Roll Size	1200mm	300m	360m^2	125.28kg
	1200mm	60m	72m^2	25.06kg

Sisalation Facing Foil Heavy Duty (450) has an outer layer of aluminium foil laminated to high density kraft paper with a unique extrusion polyethylene which provides a superior bond. A second layer of kraft paper is bonded with a heavy coating of flame retardant adhesive and reinforced with continuous strands of fibreglass in two directions. Another outer layer of foil is laminated with extrusion for superior bond.



Duty Classification:	Heavy Duty
Vapour Barrier:	High
Water Barrier:	High
Emittance of Reflective Face:	0.03
Flammability Index:	≤ 5 when tested in conformance with AS 1530.2.
Nominal Weight:	348gsm
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.

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We safely deliver extraordinary value to our customers

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 Facing Foil Heavy Duty (450) 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: Facing Foil
Product Name: Sisalation® Facing Foil Heavy Duty (450)

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