

SISALATION®

HEAVY DUTY 450 FACING FOIL

Description

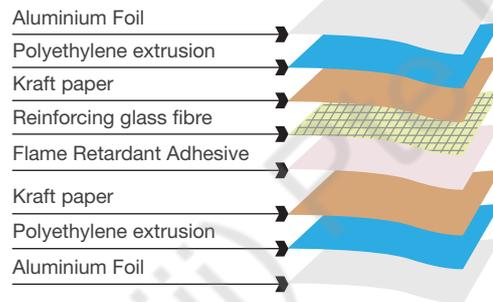
Sisalation® Heavy Duty 450 Facing Foil has an outer layer of aluminium foil laminated to high density kraft paper with a unique extrusion polyethylene which provides a superior bond. A second layer of kraft paper is bonded with a heavy coating of flame retardant adhesive and reinforced with continuous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

Applications

Sisalation® Heavy Duty Facing Foil is recommended for use as a vapour barrier in the internal lining and external lagging of air conditioning ductwork, 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, vapour, wind, heat and dust penetration when overlapped.

Product Composition



Product Data

Roll width mm	Roll length m	m ² per roll	Roll weight kg
1000	60	60	21
1200	60	72	25.1
1200	300	360	126
1350	60	81	28.3

Physical Properties

Property	Test Method	Result / Classification	Unit
Duty classification	AS4200.1	Heavy Duty	
Resistance to dry lamination	AS/NZS 4201.1	Pass	
Resistance to wet lamination	AS/NZS 4201.2	Pass	
Shrinkage	AS/NZS 4201.3	Pass ($< 0.5\%$)	
Emittance of Reflective Face	AS/NZS 4201.5 (ASTM E408)	0.03 IR Reflective	
Edge Tear Resistance	TAPPI T470	Machine Direction 85 Lateral Direction 112	N
Tensile Strength	AS1301.448	Machine Direction 13.9 Lateral Direction 8.6	kN/m

Fire Hazard Properties

Sisalation® Heavy Duty Facing Foil exhibits the following characteristics when tested in accordance with the following standards:

Test Method/Standard	Property	Test Results
		Sisalation® Heavy Duty
Ignitability, Flame Propagation, Heat Release and Smoke Release (AS/NZS 1530.2: 1999)	Ignitability Index Spread of Flame Index Heat Evolved Index Smoke Developed Index	1

Health and Safety

There are no known health or safety risks associated with this product for applications described in this datasheet. Sisalation® Heavy Duty Facing Foil contains aluminium foil and can conduct electricity. To avoid electrocution, care should be taken to ensure products do not come into contact with electrical wiring during installation or use. For additional information or to request a Material Safety Data Sheet please visit www.insulation.com.au or contact your Fletcher Insulation Representative.

Technical Specifications

When specifying, state the following:

For Internal lining of ductwork

Facing material should be Sisalation® Facing Foil Heavy Duty bonded directly to FI32 semi Rigid Insulation.

For external lagging of ductwork

Facing material should be Sisalation® Facing Foil Heavy Duty bonded directly to FI22 Ductwrap Insulation.

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