

Sisalation® Light Duty 436 Facing Foil

Description

Sisalation® Light Duty 436 Facing Foil is a double sided reflective foil laminate recommended for use as a vapour barrier with building blanket, commonly used under metal deck roofing for protection and safeguard against condensation in roofs.

Applications

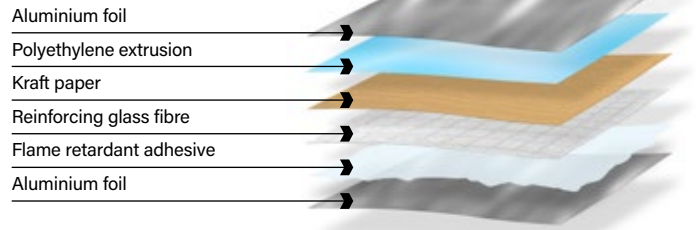
Sisalation® Light Duty 436 Facing Foil is a tough, Light Duty, double sided facing foil applied to building blanket to form Permastop® Building Blanket. It is used in metal roofing and cladding of both residential and commercial buildings, particularly when a strong, tear resistant facing is required.

When used in conjunction with an airspace, it is an effective thermal insulation material due to the high reflectivity and low emissivity of its aluminium foil surfaces. It provides an effective barrier against wind, heat and dust penetration when overlapped. If a vapour and/or air seal is required, all overlaps and all discontinuities should be taped with Sisalation® Vapastop® 883 reinforced foil tape, or the tape recommended.

Physical properties

Property	Test method/standard	Result/classification	Unit
Duty classification	AS4200.1	Light	
Resistance to dry delamination	AS/NZS 4201.1	Pass	
Resistance to wet delamination	AS/NZS 4201.1	Pass	
Shrinkage	AS/NZS 4201.3	≤0.5	%
Emittance of reflective face (both sides)	AS/NZS 4201.5	IR Reflective (0.03)	
Edge tear resistance	Machine direction	TAPPI T470	N
	Lateral direction		
Tensile strength	Machine direction	AS1301.448s	kN/m
	Lateral direction		
Vapour control	AS4200.1	Class 1 vapour barrier	
Vapour permeance	ASTM E96	<0.0022	µg/Ns
Water control	AS/NZS 4201.4	Water barrier	
Electrical conductivity	AS/NZS 3100	Electrically conductive	
Nominal thickness		< 1.0	mm

Product Composition



Fire hazard properties

Sisalation® Light Duty 436 Facing Foil exhibits the following characteristics when tested in accordance with the following standards:

Property	Test method/standard	Result	
Flammability Index	AS 1530.2	≤ 5	
BAL Compliance	AS 3959	Roof: Low-40	Wall: Low-FZ

Health and safety

There are no known health or safety risks associated with this product for applications described in this datasheet. Sisalation® Light Duty 436 Facing Foil contains aluminium foil and can conduct electricity. To avoid electrocution, care should be taken to ensure product does not come into contact with electrical wiring during installation or use. For additional information or to request a Safety User Information Sheet (SUIS) please visit www.insulation.com.au or contact your Fletcher Insulation representative.

Environmental properties

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation® and Sisalation® reflective foil products. The use of Sisalation® Light Duty 436 Facing Foil guarantees the use of Zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Technical specification

When specifying, state the following:

The insulation material shall be Fletcher Insulation Permastop® Building Blanket faced with Sisalation® Light Duty 436 Facing Foil.