

# Sisalation® Heavy Duty 450 Facing Foil

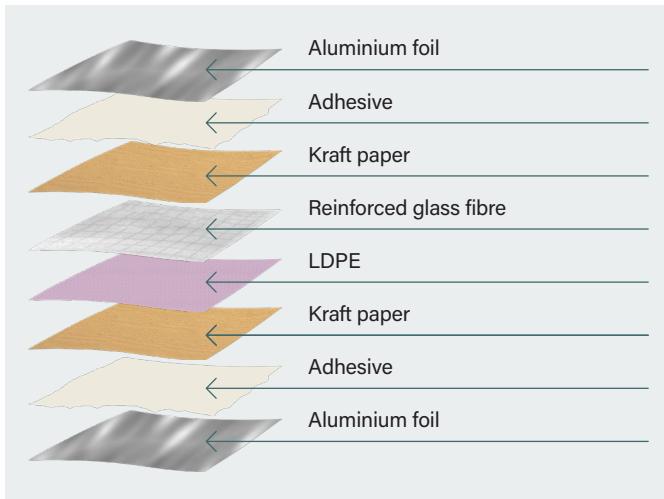
### Description

Sisalation® Heavy Duty 450 Facing Foil comprises of outer layers of aluminum foil bonded to a high density kraft paper. The laminate is reinforced with strands of yarn to deliver exceptional strength and bonded with LDPE extrudate.

### Application

Sisalation® Heavy Duty 450 Facing Foil is recommended to face building blanket for metal deck roofing and Soffit underslab products as well as pipes and vessels 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 limitations of use

- **Important:** Do Not Modify This Product: Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed.
- If this product is used as a facing on bulk insulation, the fire performance properties of the final product should be re-assessed by an appropriate certifying authority.
- If this product is used independently, this product does not have a group number in accordance with AS 5637.1 and is not suitable as an exposed internal wall or ceiling lining applications.
- This product is not suitable for wall applications where a vapour permeable, pliable building membrane is required per NCC Volume 1 & 2 or where the cladding manufacturer specifies a vapour permeable membrane.
- This product does not have an antiglare coating to reduce sunglare during installation and is not recommended for use as a roof or wall sarking.

### Features and benefits

Resistance to moisture as a Class 2 Vapour barrier	→	Provides an excellent secondary skin and an ongoing barrier to vapour.
Meets flammability index requirements of ≤5 in accordance with AS/NZS1530.2	→	Peace of mind compliance with the requirements of NCC 2022.
Heavy Duty tensile strength	→	Offers a strong effective facing to bulk glasswool insulation in ducting, plant room, factories and sports stadium applications.

### Product data

Roll width mm	Roll length m	m <sup>2</sup> per roll	Roll weight kg	Product code
1000	300	300	53.27	4022138
1200	60	72	12.24	4021967
1200	300	360	63.47	4022129
1350	60	81	14.05	4021966

### Physical properties

Property	Test method/Standard		Test result	Unit	
Duty Classification	AS 42001		Heavy Duty		
Edge Tear	Machine	TAPPI T470	≥ 80	N	
	Lateral		≥ 80	N	
Tensile Strength	Machine	AS 1301.448	≥ 12.5	kN/m	
	Lateral		≥ 7.5	kN/m	
Vapour Control	AS 4200.0		Class 2 Vapour Barrier		
Vapour Permeance	ASTM E96		<0.1429	µg/Ns	
Water Control	AS/NZS 4201.4		Water Barrier		
Emittance	Silver side	AS/NZS 4201.5 (ASTM E408)	IR Reflective (≤ 0.05)		
	Silver side		IR Reflective (≤ 0.05)		
Resistance to Dry Delamination	AS/NZS 4201.1		PASS		
Resistance to Wet Delamination	AS/NZS 4201.2		PASS		
Shrinkage	AS/NZS 4201.3		Pass (<0.5)	%	
Electrical Conductivity	AS/NZS 3100		Electrically Conductive		
Nominal Thickness			<1.0	mm	

### Fire hazard properties

Sisalation® Heavy Duty 450 Facing Foil exhibits the following characteristics when tested in accordance with the following standards:

Property	Test method/Standard	Result
Flammability Index	AS/NZS 1530.2	≤5 (Low)

### 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® facing foils 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.

### Maintenance and conditions of use

- Use of pressure cleaners or mineral based cleaners must not be used on the foil facing product.
- Where foil facing can be inspected, ensure any tears are repaired with appropriate reinforced foil tape such as Vapastop® 883 Foil Tape.
- Ensure product is protected from all physical damage at all times. Avoid storing product packaging under UV light (direct sunlight) for extended periods.
- Sisalation® pliable building membrane products must be kept dry, out of contact with direct sunlight and out of contact with alkaline products, cement and mortar as well as corrosive environments such as chlorine.
- Sisalation® facing foil products are not designed to withstand weathering.
- Building Designer should consider the suitability of this product based on the projects design requirements.

### Health and safety

There are no known health or safety risks associated with this product for applications described in this datasheet. Sisalation® Heavy Duty 450 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 Safety Use Information Sheet please visit [www.insulation.com.au](http://www.insulation.com.au) or contact your Fletcher Insulation Representative.

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