

GENERAL PURPOSE INSULATION BLANKET FOR MECHANICAL SERVICES

Description

General Purpose is manufactured from 80% recycled glass forming a lightweight, flexible blanket. It is available in various densities of 18kg, 22kg and 24kg. Sisalation® Facing Foil is applied to one side for condensation management.

Applications

General Purpose is a lightweight, flexible insulation blanket designed for the external lagging of sheetmetal ductwork as well as low to medium temperature industrial equipment and appliances. It can also be used as a general insulating roofing blanket for commercial building where desired. General Purpose insulation is typically suited for use in applications such as air-conditioning ductwork, hotwater tanks, and as an effective energy saving material on process vessels operating up to 340°C. The glasswool blanket is sufficiently flexible to wrap around sharp angles and small radii with sufficient compressive strength to maintain its thickness.

Product Data

Density kg/m ³	Facing	Material R-value m ² K/W	Thickness mm	Width mm	Length m	Product Code
18	Sisalation® Medium Duty (MD) 430 Facing Foil 150mm lap	R2.0	75	1380	8	935476
	Sisalation® Heavy Duty (HD) 450 Facing Foil 150mm lap	R2.0	75	1380	12	935475
22	Unfaced	R1.2	41	1200	18	935433
		R2.0	75	1200	7.5	940186
	Sisalation® Medium Duty (MD) 430 Facing Foil 150mm lap	R1.1	38	1380	15	235329
	Sisalation® Heavy Duty (HD) 450 Facing Foil 150mm lap	R0.7	25	1200	15	935321
		R1.5	50	1200	15	935322
		R1.5	50	1380	10	935438
		R1.5	50	1380	15	935318
		R2.0	75	1200	7.5	935327
R2.0		75	1425	9	935332	
24	Unfaced	R0.7	25	1500	20	936135
		R1.5	50	1500	12	936140

Note: F124 General Purpose insulation may be supplied unfaced or with a Sisalation® Heavy Duty (HD) vapour barrier facing laminate at 1350mm or 1500mm widths.

Physical Properties

Property	Test Method/Standard	Result	Unit
Nominal density		18, 22 or 24	kg/m ³
Thermal resistance @23°C	AS/NZS 4859.1	Complies	m ² K/W

Fire Hazard Properties

General Purpose exhibits the following characteristics when tested in accordance with the following standards:

Property	Test Method/Standard	Test Results	
		Unfaced	Sisalation® HD Facing Foil
Combustibility	AS/NZS 1530.1	Non-combustible	
Early Fire Hazard Indices			
Ignitability Index	AS/NZS 1530.3	0	0
Spread of Flame Index		0	0
Heat Evolved Index		0	0
Smoke Developed Index		0-1	<2
Burn Test (excluding 24kg/m ³)	UL181.11 (Compliance to AS 4254.2)	-	Complies*

*Result is for 18kg and 22kg density only.

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.

Health and Safety

General Purpose is manufactured from FBS-1 Glasswool Bio-Soluble Insulation. FBS-1 Glasswool Bio-Soluble Insulation is safe to use and meets the criteria of the Australian Safety and Compensation Council (formerly NOHSC) to be classified as non-hazardous. Fletcher Insulation® glasswool can be used with confidence in any residential, commercial or industrial application.

Technical Specification

The insulation material shall be Fletcher Insulation® FI _____ (specify density 18, 22, 24) General Purpose with a Material R-value of R _____ m² K/W (specify Material R-value) at a nominal thickness of _____mm (specify nominal thickness).

Where a vapour barrier laminate is to be adhered to the blanket, the specification shall state 'incorporating a Sisalation® MD or HD Facing Foil _____mm wide' (specify 1200, 1380, 1425 or 1500mm width).

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