

Permastop® Building Blanket

Making metal roofs better

Product description and typical applications

Permastop® Building Blanket is a high quality insulating product that features excellent thermal and acoustic performance. Permastop® Building Blanket is a glasswool insulation blanket faced on one side with Sisalation® reflective foil laminate that is non-permeable to moisture. A 150mm foil lap is provided on one side to allow the moisture barrier to be sealed. Permastop® Building Blanket is available in a wide range of Sisalation® foil facings.

Permastop® Building Blanket provides condensation control under metal deck roofs, behind wall cladding, and under concrete roof structures and reduces heat loads entering a building. It also provides an excellent solution for acoustic treatment of metal clad buildings by reducing internal reverberation and unwanted noise created by rain, hail, and the expansion and contraction of metal roofing and cladding.

In temperate and sub-tropical climates, Permastop® Building Blanket is installed with the foil facing down and the blanket in contact with the underside of the roof. In Darwin, foil-faced blanket is commonly installed with the foil side facing upwards, over an optional separate foil on the underside.

AS/NZS 4859.1:
2002 - Including
Amendment 1
Materials for the
Thermal Insulation of
Buildings

Permastop® Building Blanket comply with the Energy Efficiency provisions of the BCA for all types of thermal insulation to be certified by a NATA accredited organisation.



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PERMASTOP®
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Product Type	Product Thickness	Material R-value	Product Code	Dimensions m x mm	Area per roll m ²
Permastop® Building Blanket Light Duty Sisalation® Foil Facing	55	R1.3	912150	15 x 1200	18
	55	R1.3	912200	15 x 1400	21
	75	R1.8	913150	15 x 1200	18
	75	R1.8	912075	15 x 1400	21
	100	R2.5	914100	10 x 1200	12
	130	R3.0	930100	10 x 1200	18
	130	R3.2 *	930101	10 x 1200	12
Permastop® Building Blanket Medium Duty Sisalation® Foil Facing	130	R3.6 *	930360	6.5 x 1200	7.8
	55	R1.3	917150	15 x 1200	18
	75	R1.8	918150	15 x 1200	18
	100	R2.5	919100	10 x 1200	12
	130	R3.0	931100	10 x 1200	12
	130	R3.2 *	930201	10 x 1200	12
	130	R3.6 *	930362	6.5 x 1200	7.8
Permastop® Building Blanket Heavy Duty Sisalation® Foil Facing	55	R1.3	927150	15 x 1200	18
	75	R1.8	928150	15 x 1200	18
	100	R2.5	929100	10 x 1200	12
	130	R3.0	932100	10 x 1200	12
	130	R3.2 *	930301	10 x 1200	12
	130	R3.6 *	930364	6.5 x 1200	7.8

White and Black foil facings are available upon request. Contact your nearest sales office for details.

*Permastop® Building Blanket 130mm R3.2 and R3.6 are respectively manufactured in increasing density to achieve the higher R-value.

Total R-values

A summary of Total R-values for typical roof systems is illustrated in the Permastop® Building Blanket brochure, or more comprehensive calculations can be viewed in the ICANZ Insulation Handbook which can be found at [www.icanz.org.au>PublicationsandReports>InsulationHandbook](http://www.icanz.org.au/PublicationsandReports/InsulationHandbook), or contact Fletcher Insulation® Technical Services on 1800 000 878.

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. VOC emissions are low.

Fletcher®
Insulation

We safely deliver extraordinary value to our customers

AS1530.3 Early fire hazard properties of materials

Permastop® Building Blanket exhibits the following characteristics when tested in accordance with AS1530 Part 3.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	1

Moisture absorption

In the event of Permastop® Building Blanket becoming wet, it should be dried prior to installation to obtain maximum performance and prevent damage to other building elements.

Alkalinity

When tested in accordance with British Standard 3958, Fletcher Insulation® glasswool products are slightly alkaline pH9 (neutral is pH7).

Maximum service temperature

Permastop® Building Blanket is manufactured for use at temperatures that are normally experienced in building systems. Permastop® Building Blanket maximum and minimum service temperatures range from sub-zero to a maximum of 340°C. The surface temperature of Permastop® Building Blanket faced with Sisalation® foil should not exceed 70°C.

Specification notes

State the following:

- Product name - Permastop® Building Blanket
- Facing required - e.g. Sisalation® Light/Medium/Heavy Duty
- Material R-value required

Note: The Total R-value or thermal performance of building systems with reflective foils depends on the installation method used and the direction of heat flow.



The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation® utilises approximately 80% recycled waste glass.



Low Allergen content with the ability to moderate temperature changes.



Fletcher Insulation® glasswool products are manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. FBS-1 Glasswool Bio-Soluble Insulation® is not classified as hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC), Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008) 3rd Edition. Fletcher Insulation® glasswool is classified as safe to use, refer to our MSDS.



Fletcher
Insulation®

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