

## 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. It is a glasswool insulation blanket faced on one side with Sisalation® reflective foil laminate that is non-permeable to moisture. Permastop® Building Blanket is available in a wide range of Sisalation® foil facings. For ease of installation the Sisalation® foil facing features a 150mm foil lap on one side edge. When the foil surface is required to maintain a vapour barrier, all joins should be sealed with a suitable Fletcher Insulation™ foil tape.

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.

Permastop® Building Blanket's foil surface should face inward, except in tropical climates where the foil often faces outwards for condensation control. In such applications, Fletcher Insulation recommends an individual layer of Sisalation® reflective foil laminate is first laid on top of the safety mesh to provide an enhanced aesthetic finish.

Permastop® Building Blanket meets the requirements for BAL 12.5-40 in AS 3959 for metal roofs. It is suitable for sealing ember entry points at ridges, valleys and fascias.

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

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



**PERMASTOP®**  
Making metal roofs better

Product Type	Product Thickness	Material R-value	Product Code	Dimensions m x mm	Area per roll m²
Permastop® Building Blanket Light Duty Sisalation® Foil Facing	55	R1.3	912150	20 x 1200	24
	55	R1.3	912200	15 x 1400	21
	75	R1.8	913150	15 x 1200	18
	75	R1.8	912075	15 x 1400	21
	90	R2.0	914162	15 x 1200	18
	100	R2.3#	914163	10 x 1200	12
	100	R2.5#	914100	10 x 1200	12
	130	R3.0	930100	10 x 1200	12
	130	R3.2*	930101	10 x 1200	12
	130	R3.6*	930360	6.5 x 1200	7.8
Permastop® Building Blanket Medium Duty Sisalation® Foil Facing	55	R1.3	917150	15 x 1200	18
	75	R1.8	918150	15 x 1200	18
	100	R2.3#	911471	10 x 1200	12
	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	R2.3#	928163	10 x 1200	12
	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 100mm R2.3 and R2.5 are respectively manufactured in increasing density to achieve the higher R-value.

\*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.

**Fletcher®**  
Insulation

*We safely deliver extraordinary  
value to our customers*

## Green Star compliant

Fletcher Insulation does not use Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glass Wool Bio-Soluble Insulation® and Sisalation® reflective foil products. Using insulation with an ODP of zero will accrue one Green Star point under the Insulant ODP Credit for eligible Green Star projects.

The use of these Fletcher Insulation™ products guarantees the use of ODP free 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.



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.



## 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

Permastop® Building Blanket is made in Australia to Australian Standards using FBS-1 Glasswool Bio-Soluble Insulation®. It has the best possible fire rating when tested to AS1530.3. Early Fire Hazard requirements. The glasswool component is non-combustible and the Sisalation® reflective foil used has a flammability index of less than 5 when tested to AS1530.2. Consequently, Permastop® Building Blanket is deemed to have a Flammability Index of no greater than 5.

## Fire Performance – Bushfire Attack Level (BAL)

Permastop® Building Blanket meets the requirements for BAL 12.5-40 as outlined in AS 3959 for metal roofs. The glasswool component of Permastop® Building Blanket is classified as non-combustible in accordance with AS 1530.1 and is suited for sealing ember entry points at ridges, valleys and fascias to meet the BAL requirements for metal clad roofs in bushfire areas. The Sisalation® reflective foil facing component satisfies the BCA flammability index requirement of ≤ 5.

## 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.

For further information call **1300 65 44 44**

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