

# PERMASTOP™ BUILDING BLANKET

Insulation for Metal Deck Roofing & Cladding

## PRODUCT DESCRIPTION AND TYPICAL APPLICATIONS

PermaStop™ Building Blanket consists of a lightweight flexible insulation blanket faced on one side with Sisalation® Reflective Foil Laminate. *PermaStop* is available in various R-values and blanket lengths (see below), and can be produced cut to length, depending on volume. Fletcher Insulation™ Glasswool Building Blanket is manufactured from long fine glasswool fibres engineered to optimise thermal resistance and acoustic

absorption. The Sisalation® facing is adhered to the blanket, 1350mm wide to provide a 150mm overlap along one long side. It is available in various grades, Light, Medium and Heavy Duty, classified according to AS/NZS4200.1. *PermaStop* is designed for installation under commercial and residential metal deck roofing and walling as both thermal and acoustic insulation.

## PHYSICAL PROPERTIES

Thickness (mm)	Material R-value	Foil Facing Type	Dimension (mm)	Area Per Roll
55	R1.3	Light Duty	15m x 1200	18m <sup>2</sup>
55	R1.3	Light Duty	20m x 1200	24m <sup>2</sup>
75	R1.8	Light Duty	15m x 1200	18 m <sup>2</sup>
100	R2.3	Light Duty	10m x 1200	12m <sup>2</sup>
125	R2.8	Light Duty	10m x 1200	12m <sup>2</sup>
55	R1.3	Medium Duty	15m x 1200	18m <sup>2</sup>
55	R1.3	Medium Duty	20m x 1200	24m <sup>2</sup>
75	R1.8	Medium Duty	15m x 1200	18m <sup>2</sup>
100	R2.3	Medium Duty	10m x 1200	12m <sup>2</sup>
125	R2.8	Medium Duty	10m x 1200	12m <sup>2</sup>
55	R1.3	Heavy Duty	15m x 1200	18m <sup>2</sup>
55	R1.3	Heavy Duty	20m x 1200	24m <sup>2</sup>
75	R1.8	Heavy Duty	15m x 1200	18m <sup>2</sup>
100	R2.3	Heavy Duty	10m x 1200	12m <sup>2</sup>
125	R2.8	Heavy Duty	10m x 1200	12m <sup>2</sup>

Note: All of the above sizes are available with Sisalation® 436 (Light Duty), 430 (Medium Duty) or 450 (Heavy Duty) as facing. Other facings for example Sisalation® 437, or perforated products can be made to order. Non standard sizes can be produced to order, depending on minimum order quantities.

## EARLY FIRE HAZARD RATING

When tested in accordance with AS1530 Part 3 - "Early Fire Hazard Properties of Materials", *PermaStop* has the following Early Fire Hazard Indices.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	3

## MOISTURE ABSORPTION

Dry sample of blanket placed in conditions of 95% relative humidity at 50°C for 96 hours.

Moisture Absorption less than 0.2% by volume.

## ALKALINITY

When tested in accordance with British Standard 3958, *Fletcher Insulation* glasswool products are slightly alkaline.

pH9 (neutral is pH7).

## BUILDING CODE OF AUSTRALIA (BCA)



The Energy Efficiency provisions of the BCA requires that all insulation complies with the requirements of the Australian/New Zealand standard AS/NZS4859.1 - Materials for the thermal insulation of buildings. AS/NZS4859.1 specifies testing and labelling requirements for all types of insulation incorporated into the

building envelope and its services. The thermal resistance (R-value) shown on all labelling must be determined by a recognised laboratory, accredited to test to the relevant standards and procedures. All applicable *Fletcher Insulation* products are independently certified by an accredited organisation to comply with AS/NZS4859.1.

## MAXIMUM SERVICE TEMPERATURE

The glasswool blanket used on *PermaStop* has a maximum service temperature of 340°C, however due to adhesives used to apply the facing, and within the facings themselves, the

recommended service temperatures of this product should be limited to 70°C.

