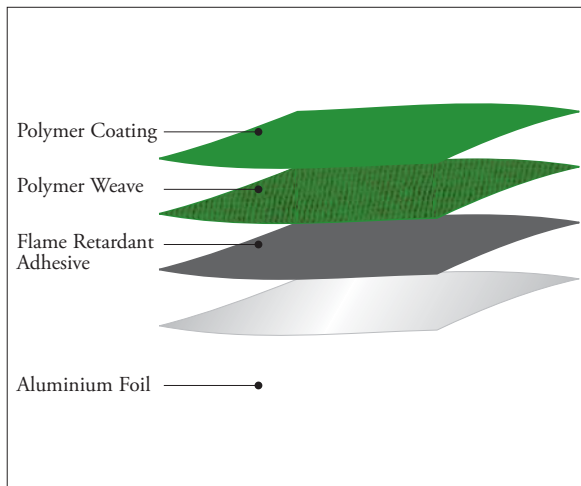


# ENVIROSEAL™ WALL WRAP



## General Description

Bradford Enviroseal Wall Wrap is specifically designed for use as a tear resistant, radiant barrier and weather protection in wall cavities.

## Product Description

Bradford Enviroseal Wall Wrap is a light duty radiant barrier manufactured from reinforced, aluminium foil laminated with fire retardant adhesive to a woven polymeric fabric. To eliminate glare during installation, Enviroseal Wall Wrap has a green backing with black Enviroseal logo on one surface.

## Applications

Bradford Enviroseal Wall Wrap is a tough, light duty wall wrap for use in brick veneer exterior walls. The light weight makes it easy to handle during installation, whilst still maintaining its strength and exposure to resistance when installed. The primary purpose of Enviroseal Wall Wrap is to protect against dirt, dust, draughts and condensation. Its integral thermal insulation properties adds to the energy efficiency of the wall system when a non ventilated air space is provided to the reflective foil side. Additionally, the installation of Enviroseal™ Wall Wrap will add to the overall thermal performance of the wall when a clear airspace of at least 20mm or more is provided at the reflective side of the foil face. Tough enough to withstand the rigours of construction, Enviroseal allows work to progress inside the home before the brick work is completed. However, being a secondary

walling material, Bradford Enviroseal Wall Wrap is not designed to withstand prolonged direct exposure to the elements. Accordingly, upon application of this product the outer wall cladding should be installed without delay. Reducing glare from the external face of a building is an important site construction and road safety requirement. Enviroseal Wall Wrap has a green backing which is installed to the outside of the building to reduce reflection to acceptable levels.

## Benefits

- Lightweight, highly durable and easy to transport insulation product, saving time and money for the installer.
- Excellent and cost effective thermal insulation.
- Provides ongoing physical protection against the elements.
- Reduces temperature variations and condensations inside the home.
- Provides additional security from inclement weather; and
- Improves homeowner comfort by weatherising the home.

## Health & Safety

Information on any known health risks on our products and how to handle them safely is detailed on our website [www.bradfordinsulation.com.au](http://www.bradfordinsulation.com.au). Additional information is listed in the Material Safety Data Sheets also available on our website.

## Standard Sizes & Packaging

Width	Length	m <sup>2</sup> per roll	Rolls per pallet	Product code
1350mm	20m	27	100	15127
1350mm	60m	81	50	15128

## Durability

Bradford Enviroseal Wall Wrap is a general purpose Building Wrap and is guaranteed to be free from manufacturing defects. Bradford Enviroseal Wall Wrap will perform in normal building applications when installed in accordance with AS/NZS 4200.2:1994 Pliable Building Membranes and Underlay's, Part 2 Installation Requirements, including any special notes detailed in this

data sheet or those found in Bradfords design guide documents. Please note, all work must be designed and constructed in compliance with all provisions of the current Building Code of Australia, regulations and relevant standards. Bradford Enviroseal Wall Wrap should not come in contact with wet concrete or other alkaline based products and should be stored in a dry

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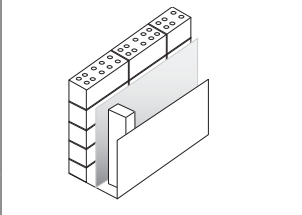
place out of direct sunlight before use. To ensure effective performance and satisfactory lifespan, radiant barriers such as Bradford Enviroseal Wall Wrap must be installed with a minimum airspace of 20mm to the foil side.

## Physical Properties

Classification in accordance with AS/NZ 4200.1 unless otherwise stated. \*\*When tested to 1530.2, it complies to requirements set out for extreme bush fire attack category BCA volume II clause 3.7.4.3.

## Thermal Performance

The thermal performance of reflective insulation varies according to the direction of the heat flow. The following table provides total R values for common systems in accordance with AS4859.1:2002 and Amendment 1:2006 Materials for the Thermal Insulation of Buildings.

	<b>Brick Veneer Wall</b>	
	<b>Total R-Values</b>	
	<b>Summer</b>	<b>Winter</b>
	R <sub>T</sub> 1.2	R <sub>T</sub> 1.3

- Emittance of reflective foil surfaces 0.05 or less
- Foil backing: Non-reflective
- Temperature difference 6°C for heat flow out and 12°C for heat flow in
- Enviroseal installed on the exterior of the studs, reflective surface facing the plasterboard
- Emittance of antiglare surface 0.66

## Classifications

Duty	Table 1 AS/NZS 4200.1:1994	Light
Vapour Barrier	ASTM E96	Medium
Emittance	AS/NZS 4201.5	Reflective
Water Barrier	AS/NZS 4201.4	High
Absorbency	AS/NZS 4201.6	Unclassified
Resistance to Dry De-Lamination	AS/NZ 4201.1	Pass
Resistance to Wet De-Lamination	AS/NZ 4201.2	Pass
Shrinkage	AS/NZ 4201.3	≤0.5%
<b>Tensile Strength</b>	AS 1301.448	
Machine Direction(kN/m)		13.8 (Min 7.5)
Lateral Direction(kN/m)		8.2 (Min 4.5)
<b>Edge Tear Resistance</b>	TAPPI T470	
Machine Direction (N)		660 (Min 45)
Lateral Direction (N)		397 (Min 45)
<b>Folding Endurance Test</b>	AS 1301.423	
Machine Direction		Complies
Cross Direction		Complies
<b>Fire Resistance</b>		
Spread Factor**	AS 1530 Part 2	1
Heat Factor**		1
Flammability Index**		1

**Bradford™**  
for smarter environments

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ENVIROSEAL™ WALL WRAP – DATA SHEET

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