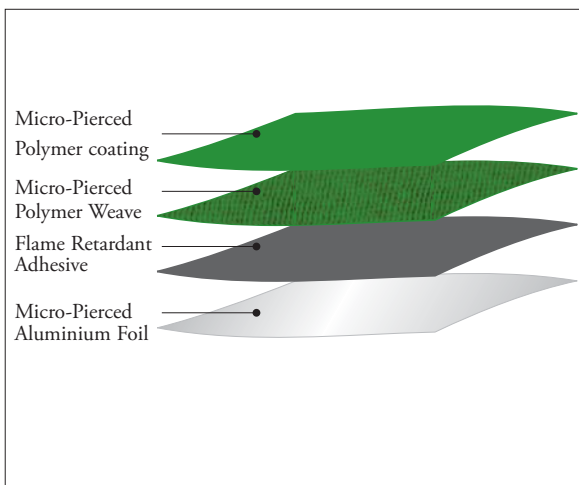


ENVIROSEAL™ WALL BREATHER



General Description

Bradford Enviroseal™ Wall Breather is specifically designed breathable membrane for installation behind light weight cladding systems such as timber, fibre cement, weatherboard and metal cladding facades.

Product Description

Bradford Enviroseal Wall Breather is a light duty radiant barrier consisting of reinforced, aluminium foil laminated with fire retardant adhesive to a tear resistant woven polymeric fabric. Enviroseal Wall Breather is a micro-pierced sarking membrane aimed for applications requiring excellent water vapour transmission rates. It also consists of green backing to eliminate glare during installation.

Applications

Bradford Enviroseal Wall Breather is a tough, light duty wall wrap for use within external walls whenever the light weight cladding materials such as timber, fibre cement, weatherboard and metal cladding facades are directly fixed on to the stud frame. It is exceptionally tear resistant making it easy to handle during installation. The primary purpose of Enviroseal Wall Breather is to eliminate condensation entrapment between the external facade and the sarking membrane. It also protects the house against dirt, dust and draughts. Additionally, the installation of Enviroseal Wall Breather 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 external light weight

cladding is completed. However, being a secondary walling material, Bradford Enviroseal Wall Breather 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 Breather 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
- Excellent and cost effective thermal insulation
- Provides ongoing physical protection against the elements
- Reduces temperature variation and build up of high humidity inside the home
- Protects wall frame from moisture
- Provides additional security from inclement weather
- 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. Additional information is listed in the Material Safety Data Sheets also available on our website.

Standard Sizes & Packaging

Width(mm)	Length(m)	m ² per roll	Rolls per pallet	Product code
1350	20	27	100	15122
1350	60	81	50	15123

Durability

Bradford Enviroseal Wall Breather is a general purpose Building Wrap and is guaranteed to be free from manufacturing defects. Bradford Enviroseal Wall Breather 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

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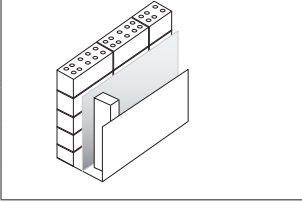
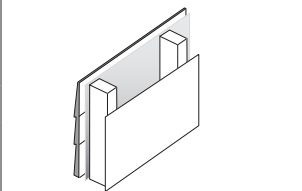
design guide documents. Please note, all work must be designed and constructed in compliance with all provisions of the current Building Code of Australia, regulations and relevant standards. Bradford Enviroseal Wall Breather should not come in contact with wet concrete or other alkaline based products and should be stored in a dry place out of direct sunlight before use. To ensure effective performance and satisfactory lifespan, radiant barriers such as Bradford Enviroseal Wall Breather 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.

	Brick Veneer Wall	
	Total R-Values	
	Summer	Winter
	R _T 1.2	R _T 1.3
	Weatherboard Wall	
	Total R-Values	
	Summer	Winter
	R _T 0.88	R _T 1.0

- 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	Unclassified
Emittance	AS/NZS 4201.5	Reflective
Water Barrier	AS/NZS 4201.4	Unclassified
Absorbency	AS/NZS 4201.6	Unclassified
Shrinkage	AS/NZ 4201.3	≤0.5%
Resistance to Dry De-Lamination	AS/NZ 4201.1	Pass
Resistance to Wet De-Lamination	AS/NZ 4201.2	Pass
Tensile Strength		
Machine Direction(kN/m)		Min 7.5
Lateral Direction(kN/m)		Min 4.5
Edge Tear Resistance		
	TAPPI T470	
Machine Direction (N)		Min 45
Lateral Direction (N)		Min 45
Fire Resistance		
	AS 1530 Part 2	
Spread Factor		1
Heat Factor	AS 1530 Part 2	1
Flammability Index**	AS 1530 Part 2	4

Bradford™
for smarter environments

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ENVIROSEAL™ WALL BREATHER – DATA SHEET

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