

THERMOSEAL™ WALL WRAP XP

General Description

Bradford Thermoseal Wall Wrap XP is a tough, polymeric building membrane specifically designed to provide a reflective air-gap R-Value by utilising the external air cavity on the outward facing side of the building structure when installed in a stud wall with wall batt insulation.

Wall Wrap XP is a medium duty radiant barrier membrane manufactured from aluminium foil laminated with fire retardant adhesive to a woven polymeric fabric. To eliminate glare during installation, the aluminium foil facing has a unique patterned antiglare printed on it.

Key product benefits are:

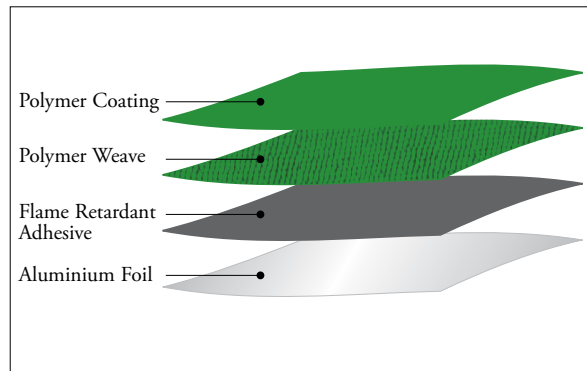
- Impressive improvement in the overall insulation value of the wall system
- A 'second skin' to protect against the ingress of dirt, draughts and rain
- Allows internal construction to commence earlier by sealing the walls

Applications

Bradford Thermoseal Wall Wrap XP is suitable for residential brick veneer and lightweight clad walls with (minimum 25mm) battening. It is designed to contribute a reflective air-gap R-Value when installed adjacent to the outward facing still air cavity when the wall insulation batts are positioned against the back surface of the wall wrap.

Wall Wrap XP has no internal reflective facing and relies upon the outward facing reflective air-gap R-Value generated by the unique patterned antiglare surface. When combined with insulation in the stud cavity, Wall Wrap XP can provide an impressive improvement in the performance of a wall system.

Manufactured from a tough polymeric membrane, Wall Wrap XP also provides protection against the ingress of dirt,



dust, draughts and wind driven rain. Its integral thermal insulation properties add to the energy efficiency of the wall system and assist in improving the overall energy efficiency of the home.

Installation Guidance

Thermoseal Wall Wrap XP will perform in normal building applications when installed in accordance with AS/NZS4200.2:1994 Pliable Building Membranes & Underlays, Part2 Installation Requirements.

1. This product should be installed with the antiglare or non-reflective surface facing outwards.
2. All proper safety measures should be taken during installation of Thermoseal, all relevant OHS and statutory regulations must be followed.

Note: As a secondary sarking material, this product is not designed to withstand prolonged direct exposure to the elements. Accordingly, upon application of this product the building, the cladding should be installed without delay.

Application Considerations

Wall Wrap XP is a non-permeable membrane and consideration should be given to condensation control in colder climate zones, particularly where higher levels of insulation are installed.

Health & Safety

Information on any known health risks on our products and how to handle them safely is detailed on our Material Safety Data Sheets which are available on our website.

Warning: Thermoseal Wall Wrap XP contains aluminium foil which conducts electricity. To avoid electrocution, care should be taken to ensure Thermoseal products do not come into contact with electrical wiring during installation or use.

Standard Sizes & Packaging

Width (mm)	Roll (m)	m ² per roll	Duty	Product code
1350	30	40.5	Medium	125825
1350	60	81	Medium	124652

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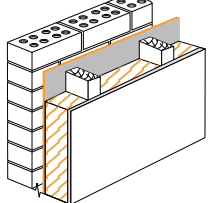
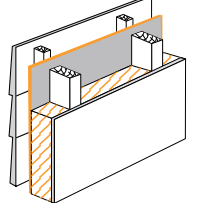
Thermal Performance

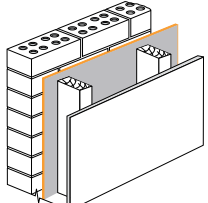
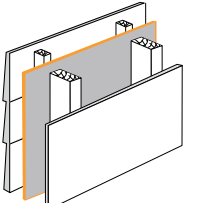
This product complies with the requirements of AS/NZS4859.1 – stated thermal performance is the application's Total R-Value.

1. The contribution of this product to Total R-Value depends on installation and environmental conditions.
2. In wall applications, a minimum air-gap of 25mm is required for lightweight clad walls and 40mm for brick

vener walls on the antiglare surface to contribute to thermal performance.

3. The R-Value will be reduced in those cavities that are ventilated.
4. Temperature difference 6°C for heat flow out and 12°C for heat flow in.
5. Emittance of the antiglare foil surface 0.09 or less – the inward facing surface is non-reflective.

	Brick Veneer Wall			Lightweight Clad Wall	
	Total R-Values			Total R-Values	
	Summer	Winter		Summer	Winter
	R _T 3.5	R _T 3.8		R _T 3.2	R _T 3.5
The total R-Value include R _T 2.5 stud wall insulation					

	Brick Veneer Wall			Lightweight Clad Wall	
	Total R-Values			Total R-Values	
	Summer	Winter		Summer	Winter
	R _T 1.1	R _T 1.2		R _T 0.92	R _T 1.0
The total R-Value excludes stud wall insulation					

Classifications

Duty	Table 1 AS/NZS 4200.1:1994	Medium
Vapour Barrier	ASTM E96	High
Emittance	AS/NZS 4201.5	Antiglare
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%
Tensile Strength	AS 1301.448	
Machine Direction(kN/m)		13.8 (Min 7.5)
Lateral Direction(kN/m)		8.2 (Min 4.5)
Edge Tear Resistance	TAPPI T470	
Machine Direction (N)		660 (Min 45)
Lateral Direction (N)		397 (Min 45)
Folding Endurance Test	AS 1301.423	
Machine Direction		Complies
Cross Direction		Complies
Fire Resistance		
Spread Factor**	AS 1530 Part 2	1
Heat Factor**		1
Flammability Index**		1
Exposure	Prior to the application of cladding	2 weeks