

BRADFORD ENVIROSEAL™ PROCTORWRAP™ RESIDENTIAL WALL (RW)

Introduction

Enviroseal™ ProctorWrap™ Residential Wall (RW) is a light duty vapour permeable wall wrap designed for use in residential timber and steel frame wall construction.

Product Description

Enviroseal™ ProctorWrap™ RW is a triple layer polyolefin non-woven textile. The high water vapour permeability of Enviroseal™ ProctorWrap™ RW allows for the controlled escape of vapour from within the building whilst restricting the ingress of liquid moisture, thus helping to protect the building fabric and insulation from condensation and related problems such as mould, timber rot, corrosion and loss of thermal resistance.

Applications

Enviroseal™ ProctorWrap™ RW is a highly vapour permeable, tough, light duty wall wrap for use as a sarking in timber and steel frame wall construction. It is tear resistant making it easy to handle during installation.

In combination with taping overlaps, Enviroseal™ ProctorWrap™ RW can help form an air tight wrap for the building, reducing the loss of heated air or cooled air from the building thus improving the energy efficiency of the building envelope.

It is good practice for Enviroseal™ ProctorWrap™ RW

to be separated from the exterior cladding by a cavity to allow for the drainage of any moisture that has penetrated the exterior cladding or condensation that may form on the rear face of the cladding.

Adequate provision for the drainage, absorption or diffusion of moisture is required exterior to the membrane to ensure that moisture is not left trapped between the Enviroseal™ ProctorWrap™ RW and the external cladding. This is especially important for vapour tight or non-absorbent claddings such as steel.

Care should be taken when installing insulation so that this does not restrict drainage within the cavity.

Health & Safety

Information on any known health risks on our products is listed in the Material Safety Data Sheets available from CSR Bradford.

Benefits

- High water resistance
- Non-perforated
- Highly vapour permeable
- Air tight
- Light weight and easy to handle
- Quiet when exposed to wind
- Soft facings reduce flapping noise

Standard Sizes & Packaging

Width	Length	m ² per roll	Weight per roll	Rolls per pallet	Product Code
1500mm	50 M	75 m ²	7.9 kg	35	118153
3000mm	30 M	90 m ²	9.5 kg	40	117841

Enviroseal™ ProctorWrap™ Tape Range

When required to secure, join or seal Enviroseal™ ProctorWrap™ RW it is recommended to use the following Enviroseal ProctorWrap accessory products in each of these applications.

Application	Product	Width	Length	Items per carton	Product Code
Sealing joins	ProctorWrap™ SLS Tape	50 mm	25 M	36	117685
Sealing around penetrations	ProctorWrap™ SLS Flexi	60 mm	5 M	10	117688

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Durability

Although Enviroseal™ ProctorWrap™ RW can be used as temporary protection during construction, it can not be used as a primary waterproofing membrane. The product may be damaged by careless handling, high winds or vandalism, and should not be left uncovered for longer than is absolutely necessary. Any damaged areas should be replaced before completion.

Ensure that Enviroseal™ ProctorWrap™ RW is covered up by the primary cladding as soon as possible, and not left exposed to UV for longer than 4 weeks. Enviroseal™ ProctorWrap™ RW is not to be used in open joint rain screen cladding installations where it could be exposed to long term UV radiation. For advice on such applications where Enviroseal™ ProctorWrap™ Black Label may be suitable please contact CSR Bradford Australia.

Classifications

Criteria	Reference	Result
Duty Classification	Table 1 AS/NZS 4200.1:1994	Light*
Vapour Permeability	ASTM E96	4.5µg/N.s
Vapour Resistance	ASTM E96	0.22MN.s/g
Vapour Barrier Classification	ASTM E96	Low
Emittance	AS/NZS 4201.5	Non-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%
Tensile Strength	AS 1301.448	
• Machine Direction (k/Nm)		4.3 kN / m
• Lateral Direction (k/Nm)		2.4 kN / m
Edge Tear Resistance	TAPPI T470	
• Machine Direction (N)		220 N
• Lateral Direction (N)		126 N
Burst Strength		>200 N
Flammability Index	AS/NZ 1530 Part 2	≤ 5
Allowable UV exposure prior to completion of cladding		4 weeks

*Enviroseal™ ProctorWrap™ RW is classified as light duty in accordance with the value specified for bursting strength and therefore does not meet the deemed-to-satisfy provisions for use in roof applications.

Sample Specification

Sarking should be CSR Bradford Enviroseal™ ProctorWrap™ RW vapour permeable membrane, tested to AS/NZS 4200,1:1994 standards, secured directly to the outside of the wall frame at maximum 300mm spacing and in accordance with product user guide. Breather foil does not comply with this specification.

Summary Specification:

- Vapour permeability: No less than 4.0µg/N.s (vapour resistance of no greater than 0.25MN.s/g).
- Duty classification: Light
- Water Barrier Classification: High
- Emittance: Non-reflective
- Flammability Index: Low