

BRADFORD ENVIROSEAL™ PROCTORWRAP™ HIGH TENSILE - ROOF (HT-R)

Introduction

Enviroseal™ ProctorWrap™ High Tensile-Roof (HT-R) is a highly durable medium duty vapour permeable roof underlay for use in tiled, slate and metal roof applications.

Product Description

Enviroseal™ ProctorWrap™ HT-R is a UV stabilised tear resistant 3-ply spun bonded polyolefin membrane with reinforcement scrim for use in commercial and residential roofing applications.

Enviroseal™ ProctorWrap™ HT-R offers a combination of durability and high water holdout without compromising vapour permeability to help 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™ HT-R shall be installed in accordance with AS/NZS 4200.2 Pliable Building Membranes and Underlays, Part 2 Installation Requirements, and with the printed face upwards.

For tile and slate roof applications, Enviroseal™ ProctorWrap™ HT-R should be laid horizontally across the rafters starting at the eaves with adequate drape to allow drainage of moisture, and secured in place with battens and/or counter-battens.

For metal sheet roof applications, Enviroseal™ ProctorWrap™ HT-R should be laid so it forms a continuous membrane over the entire area of the roof, allowing any water to drain down to the gutters. On low pitch metal roofs, excessive draping of Enviroseal™ ProctorWrap™ HT-R between purlins can result in ponding which is unsatisfactory and should be avoided. It is preferable for Enviroseal™ ProctorWrap™ HT-R to be fully supported to give a clear drainage path. If not practical on low pitch roofs then laps should be taped using ProctorWrap™ SLS tape to prevent water ingress to the insulation below.

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
- Medium duty
- Highly durable
- Non-perforated
- Highly vapour permeable
- Air tight
- Superior nail seal performance
- 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	18 kg	16	114445

Enviroseal™ ProctorWrap™ Tape Range

When required to secure, join or seal Enviroseal™ ProctorWrap HT-R 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™ HT-R can be used as temporary weather 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.

To ensure maximum long term UV durability, ensure that Enviroseal™ ProctorWrap™ HT-R is covered up by the primary cladding material as soon as possible, and not left exposed to UV for longer than 2 months.

Classifications

Criteria	Reference	Result
Duty Classification	Table 1 AS/NZS 4200.1:1994	Medium
Vapour Permeability	ASTM E96	4.0µg/N.s
Vapour Resistance	ASTM E96	0.25MN.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)		10.3 kN / m
• Lateral Direction (k/Nm)		7.9 kN / m
Edge Tear Resistance	TAPPI T470	
• Machine Direction (N)		505 N
• Lateral Direction (N)		397 N
Burst Strength		573 N
Flammability Index	AS/NZ 1530 Part 2	≤ 5
Allowable UV exposure prior to completion of cladding		2 months

Sample Specification

Sarking underlay should be CSR Bradford Enviroseal™ ProctorWrap™ HT-R vapour permeable roofing underlay, tested to AS/NZS 4200,1:1994 standards, secured in accordance with product user guide. Bradford Enviroseal™ ProctorWrap™ HT-R should be laid under the roofing material and above the insulation to form a continuous membrane over the entire area of the roof, allowing any water to drain down to the gutters. On low pitched roofs if Enviroseal™ ProctorWrap™ HT-R is unsupported, laps should be taped with ProctorWrap™ SLS Tape to prevent moisture draining back into the insulation. Foil type sarkings do 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).
- Water Barrier Classification: High
- Duty classification: Medium
- Burst Strength: > 500N
- Emittance: Non-reflective
- Flammability Index: Low

Bradford™
for smarter environments

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