

# ENVIROSEAL CW

**DESCRIPTION:** Light Wall, Vapour Permeable Wall Wrap  
**SUITABILITY:** Commercial brick veneer and lightweight clad walls



## IMPORTANT INFORMATION

- This product is only recommended for the applications listed in this datasheet unless advised otherwise by an official Bradford technical representative.
- This product is not recommended in tropical climate zones where the humidity outside is higher than the inside of the building.
- This product is not designed to withstand prolonged exposure to UV or weather. Once installed the exterior wall must be applied as soon as possible.
- Prior to installation, this product should be stored in a cool dry place away from sunlight, and should not come into contact with wet concrete or alkaline based materials.

## PRODUCT DESCRIPTION

Bradford Enviroseal™ CW is a triple layer polyolefin non-woven textile weather barrier that is calendared together. This product is also available with pre-applied integrated tape release liners.

- This product meets the requirements of the AS/NZS 4200.1 and is suitable for use in Australian residential applications.

## CLIMATE ZONE

This product is recommended for use in warm to cold climate zones where there are higher levels of insulation used in the wall cavity and vapour permeable and water barrier properties are required.

## CLASSIFICATION

This product meets the requirements of AS/NZS 4200.1		
CRITERIA		RESULT
Product Identifier		Enviroseal CW
Duty Classification (AS/NZS 4200.1)		Light Wall
Burst Strength (AS 2001.2.19)		≥ 200 N
Edge Tear Resistance (TAPPI T470)	Machine	≥ 90
	Lateral	≥ 90
Water Control Classification (AS/NZS 4201.4)		Water Barrier
Vapour Classification (ASTM E96)		Class 4 Vapour Permeable
Vapour Permeability (ASTM E96)		> 1.1403 µg/N.s
Emissivity (AS 4201.5)	Inward Facing	Non-Reflective (0.9)
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Flammability Index (AS 1530.2)		≤ 5 (Low)
Electrical Conductivity (AS/NZS 3100)		Non-Conductive
Resistance to Dry Delamination (AS/NZS 4201.1)		Pass
Resistance to Wet Delamination (AS/NZS 4201.2)		Pass
Shrinkage (AS/NZS 4201.3)		≤ 0.5%
Nominal Thickness		< 1.0 mm
Classifications in accordance with AS/NZS 4200.1. This product should be installed in accordance with AS 4200.2		

## APPLICATION TABLES

	Brick Veneer Wall	
	Insulation	
	R2.5	
	Summer	Winter
	R <sub>T</sub> 3.0	R <sub>T</sub> 3.2

	Lightweight Clad (Direct Fix)	
	Insulation	
	R2.5	
	Summer	Winter
	R <sub>T</sub> 2.6	R <sub>T</sub> 2.9

	Lightweight Clad (Battened)	
	Insulation	
	R2.5	
	Summer	Winter
	R <sub>T</sub> 2.8	R <sub>T</sub> 3.1

## APPLICATION DETAIL

Bradford Enviroseal™ CW is suitable behind both residential brick veneer and lightweight clad walls in warm to cold climate zones where condensation control may be required. Bradford Enviroseal CW is recommended where humidity is higher inside the building than outside. It is also recommended that the higher insulation R value used in construction that vapour permeable products are used to minimise the risk of condensation related damage. This product does not provide a reflective R-Value.

- This product is suitable for use in BAL regions 12.5 to FZ in accordance with AS 3959.

For more information on how to install this product correctly see the Bradford Wall Wrap Installation guide at [bradfordinsulation.com.au](http://bradfordinsulation.com.au)

## PRODUCT DIMENSIONS

PRODUCT NAME	WIDTH (mm)	LENGTH (m)	m² PER ROLL	WEIGHT (kg)	PRODUCT CODE
Enviroseal CW	1500	50	75	10.7	114175
Enviroseal CW-IT	1500	50	75	10.8	134863

\*CW-IT is a variant of CW that includes integrated tape release liners

## PRODUCT CONSTRUCTION



## CONDENSATION RISK

There are a large number of factors that need to be considered in assessing and managing condensation risk including local climate, building use, position, thickness and type of bulk insulation, location and integrity of vapour barriers, and mechanical or passive ventilation both in the roof space and wall cavities where applicable. It is highly recommended that designers run a condensation risk analysis. CSR Bradford can assist in assessing condensation risk.

For further information on the risks of condensation please refer to the Australian Building Codes Board Handbook, 'Condensation in Buildings.'

**Weather Exposure:** This product is a secondary sarking material and is not designed to withstand prolonged direct exposure to the elements - accordingly, the exterior cladding should be installed without delay. Product exposed to harsh weather conditions, or UV for more than 8 weeks in wall applications, should be inspected for damage prior to installation of the exterior cladding and damaged product should be repaired or replaced to comply with the product warranty.

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For further technical advice  
call **1300 850 305** or  
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**CSR**