

# CLIMAWRAP CW (BMX 800)



ClimaWrap CW (BMX 800) is a very durable, three-layer and a highly vapour permeable membrane that is specially designed to minimise condensation risk in buildings without compromising its primary water barrier properties. ClimaWrap CW (BMX 800) is protected on both faces by non-woven structures against corrosive environment including treated timber or coastline area, engineered to meet the demands of the Australian climate conditions (zone 2 – 8).

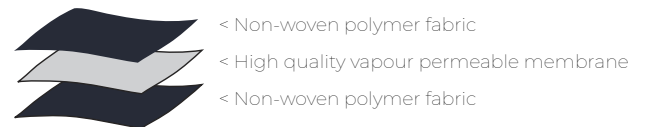
- ✓ Class 4 Vapour Permeable
- ✓ Prevents moisture and condensation build up
- ✓ Triple layer construction for a higher tensile strength
- ✓ Water and air barrier
- ✓ Tear and puncture resistant
- ✓ Suitable for wide range of climatic conditions (zone 2 – 8)

## APPLICATION

ClimaWrap CW (BMX 800) is used as a wall wrap behind fibre cement and timber cladding, delivering a shield of protection to help against external weather penetration and internal condensation build-up. Can be used as wall wrap in brick veneer systems. If installed behind non-absorbent claddings such as steel, provision should be given for adequate drainage of any trapped moisture.

## STRUCTURE

The three-layer constructed ClimaWrap CW (BMX 800) is made of two outer layer consisting of non-woven polymer fabric that are spun-bonded to protect the inner core of the highly permeable membrane.



## VAPOUR PERMEANCE

Vapour Permeance: 3.967  $\mu\text{g}/\text{N}\cdot\text{s}$

Vapour Resistance: 0.3 MN-s/g

Tested in accordance with ASTM E96-2016 Water Vapour Transmission - Water Method

## FIRE PERFORMANCE

Flammability Index Low (<5)

Tested in accordance with AS1530.2-1993 - Methods for fire tests on building materials, components and structures Part 2: Test for flammability of materials.

## AVAILABILITY

1500 mm x 30 m (45 m<sup>2</sup>)

1370 mm x 30 m (41.1 m<sup>2</sup>)

Nominal Mass per Unit Area/Density: 145g/m<sup>2</sup>

Nominal Thickness: 0.42 mm

## NCC COMPLIANT

ClimaWrap CW (BMX 800) conforms to all the requirement of AS/NZS 4200.1:2017 and the National Construction Code of Australia for pliable building membranes, insulation and sarking-type materials.

# CLIMAWRAP CW (BMX800)

Properties	Classification	Performance	Requirement
Flammability Index	AS 1530.2-1993	Low $\leq 5$	High ( $> 5$ ) / Low ( $\leq 5$ )
Nominal Thickness	N/A	0.42mm	$\leq 1$ mm
Duty	AS/NZS 4200.1:2017	Light wall	Classification
Ball Burst	AS 2001.2.19-1988	247	$\geq 200$ N
Edge Tear Machine Direction	AS/NZS 4200.1-2017	175N	Min 45N
Edge Tear Lateral Direction	AS/NZS 4200.1-2017	134N	Min 45N
Tensile Strength Machine Direction	AS/NZS 4200.1-2017	3.4 kN/m	N/A
Tensile Strength Lateral Direction	AS/NZS 4200.1-2017,	2.3 kN/m	N/A
Vapour Control	ASTM E96-2016	Class 4 : vapour permeable	Class 1 - 4
Vapour Permeance	ASTM E96-2016	3.967 $\mu\text{g}/\text{N}\cdot\text{s}$	Value
Water Control	AS/NZS 4201.4-1994	Water barrier	Classification
Resistance to Dry Delamination	AS/NZS 4201.1-1994	Pass	Pass
Resistance to Wet Delamination	AS/NZS 4201.2-1994	Pass	Pass
Shrinkage (Repeated wetting & drying)	AS/NZS 4201.3-1994	0.2%	$< 0.5\%$
Electrical Conductivity	AS/NZS 3100	Non conductive	Classification
Emittance Value	AS/NZS 4201.5:1994	Printed side: 0.58, White side: 0.56	Value
Emittance Classification	AS/NZS 4200.1:2017	IR Non-reflective, IR Non-reflective	Classification
Emittance Category	AS/NZS 4200.1:2017	NN	Category
UV Resistance	N/A	Up to 3 months	N/A

## SPECIFICATION NOTES

When specifying, state the following:

Product Name: **ClimaWrap CW (BMX 800)**

The pliable building membrane to be installed shall be **ClimaWrap CW (BMX 800)**, very high permeance wall wrap and shall be installed in accordance with AS 4200.2: 2017 Pliable Building Membranes and Underlays, Part 2: Installation.

Emittance Value: 0.58, 0.56

Emittance Classification: IR Non Reflective, IR Non Reflective

Vapour Permeance: 3.967  $\mu\text{g}/\text{N}\cdot\text{s}$

Vapour Control Classification: Class 4

Vapour Permeable Water Control Classification: Water Barrier

Flammability Classification: Low ( $\leq 5$ )

Duty Classification: Light Wall in accordance with AS/NZS 4200.1:2017

## STORAGE

Product may be stored in a clean, level surface and kept under cover.

Contact Us :

[sales@pgfinsulation.com.au](mailto:sales@pgfinsulation.com.au)