



## Product Data Sheet

# WATERGATE PLUS

### Premium Synthetic Wall wrap

Watergate Plus is specifically designed as a pliable building membrane behind exterior wall cladding. Made from synthetic materials Watergate Plus is fire retardant, water resistant and vapour permeable. The water vapour transfer rate of the product has been optimised to minimise condensation risk in homes without compromising its primary water barrier properties. Its unique construction allows for easier installation while maintaining best in class performance qualities.

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# Watergate Plus

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Watergate Plus comes in five roll sizes and two soffit roll sizes:

Width	Length	Coverage
1370mm wide	18.5m long	25m <sup>2</sup> coverage*
1370mm wide	36.5m long	50m <sup>2</sup> coverage*
1370mm wide	54.8m long	75m <sup>2</sup> coverage*
2740mm wide	30.0m long	82m <sup>2</sup> coverage*
3000mm wide	30.0m long	90m <sup>2</sup> coverage*

Custom Branding Available – Contact your Thermakraft Representative for more details

\* **Note:** M<sup>2</sup> is the roll size for actual coverage, allow for laps and joins.

### Product Description

Watergate Plus is a two-layer laminated pliable building membrane combining a Polyester non-woven layer with a high quality vapour permeable film. This allows water vapour to pass through from inside the wall cavity whilst water from the exterior is kept out.

The product is simply fixed to timber framing using construction staples and is made to stretch around corners providing a tight fit and reducing the risk of staple tear. It will provide temporary weather protection during construction. (Max 60 Days).

### Scope of Use

Watergate Plus can be used as a wall wrap on both residential and commercial buildings within the following scope:

- Class 1 and Class 10 buildings; and,
- Class 2 to Class 9 buildings subject to specific weathertightness design; and,
- Constructed with timber and steel framing in accordance with the BCA; and
- With absorbent (e.g. timber, brick or fibre cement) or non-absorbent wall claddings (e.g. metal or plastic) directly fixed to framing; or installed over an 18mm minimum drained cavity; and
- With masonry veneer in accordance with BCA; and,
- Situated in non-cyclonic wind zones up to, and including N3.
- Is suitable as an air barrier in unlined wall spaces.
- Is suitable to be used in conjunction with thermal breaks on steel framed buildings.
- Refer to BRANZ Appraisal No 729 (2017) and CodeMark Certificate for full details.

### General

- Fire retardant.
- Unaffected by LOSP or other solvent based treated timber. However, LOSP or other solvent based treated timber must have sufficient time for the solvent chemical to flash off in well ventilated area. Recommended minimum 7 days.

### Limitations

- Must NOT be used as a roof sarking.
- Must NOT be exposed to the weather or UV for more than 60 days.
- Watergate Plus is NOT a vapour barrier.

### Compliance

When Watergate Plus wall wrap is used, installed and maintained in accordance with the statements and conditions outlined in Thermakraft literatures, BRANZ appraisal and CodeMark certificate, the product will contribute to meeting the following provisions of the BCA:

- **BCA Volume 1**
  - Part C1 – Fire Resistance and Stability
  - Part F1 – Damp and Weatherproofing
  - Part F6 – Condensation Management
  - Part G5 – Construction in Bushfire Prone Areas
- **BCA Volume 2**
  - Part 2.2 Damp and Weatherproofing
  - Part 2.4 Health and Amenity
  - Part 2.7 Ancillary Provisions and Additional Construction Requirements
  - Part 3.7 Fire Safety
  - Part 3.8 Health and Amenity

Full BCA compliance details can be found in BRANZ Appraisal No. 729 [2017] and CodeMark CM-80001.

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### Flammability

Watergate Plus is less than 1mm in thickness and has an AS 1530.2 Flammability index of less than 5 and therefore has a flammability index classification of low in accordance with the AS/NZS 4200.1.

### Durability

Watergate Plus is expected to have a serviceable life equal to that of the wall cladding provided:

- It is not damaged.
- Installed in accordance with instruction guide.
- Is not left exposed to the weather or UV for more than 60 days.

- Installed by or under guidance of Licensed Building Practitioners.

- Is compatible with cladding system used.\*

\* **Note:** specifiers and product user must test for wall cladding system compatibility with the underlay before installation.

### Product Warranty

Standard Thermakraft warranty applies. Refer to Thermakraft Warranty Statement for further details. This is available online at [thermakraft.com.au](http://thermakraft.com.au) or call **1800 960 338**.

### Property Performance

AS/NZS 4200.1 Properties	Property Performance Requirement	Actual Property Performance	AS/NZS 4200.1 Classification
Resistance to dry delamination		Pass	Not Applicable
Resistance to wet delamination		Pass	Not Applicable
Shrinkage	≤ 0.5%	Pass	Not Applicable
Folding Endurance (machine direction)	≥ 2.00	Pass	Not Applicable
Folding Endurance (cross direction)	≥ 1.70	Pass	Not Applicable
Absorbency	≥ 100g/m <sup>2</sup>	Pass	High
Vapour Barrier	≤ 7MN s/g	Pass	Low
Vapour Permeance	≥ 0.1429 µg/N.s		Class 4 - Vapour Permeable
Water Barrier	≥ 100mm	Pass	High
Emittance			Non-reflective
Duty Classification (Light Wall)	Edge Tear Resistance: ≥ 45 N	Pass	Light Wall
	Burst Strength: ≥ 200 N in accordance with AS 2001.2.19		
Flammability	≤ 5	Pass	Low

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The recommendations contained in Thermakraft's literature are based on good building practice, but are not an exhaustive statement of all relevant information and are subject to any conditions contained in the Warranty. All product dimensions and performance claims are subject to any variation caused by normal manufacturing process and tolerances. Furthermore, as the successful performance of the relevant system depends on numerous factors outside the control of Thermakraft (for example quality of workmanship and design), Thermakraft shall not be liable for the recommendations in that literature and the performance of the Product, including its suitability for any purpose or ability to satisfy the relevant provisions of the Building Code, regulations and standards. Literature subject to change without notification. Latest documentation can be found on the website. E&OE.