

VapourFlex® VPM

Vapour Permeable Wall Wrap

Premium moisture control, all-purpose wall wrap

- Class 4 Vapour Permeable
- Low Flammability
- Water Barrier
- Up to 90 days UV Resistance



Product Description

VapourFlex® VPM is a flexible and lightweight wall wrap that is highly vapour permeable and yet is also highly resistant to water transfer.

Manufactured with two layers of resilient non-woven fabric on each side and a highly permeable membrane in the centre, VapourFlex® VPM is perfectly suited for both commercial and residential buildings that require a second layer of protection against moisture, wind and dust while minimising condensation risk.

Application

VapourFlex® VPM is designed for use in walls and gable applications in Australian Climate Zones 2-8, and particularly where a vapour permeable membrane is required.

VapourFlex® VPM is suitable behind all wall types and systems. These include brick veneer and all lightweight clad walls, such as fibre cement, weather board and timber, where manufacturers may require the use of vapour permeable membranes.

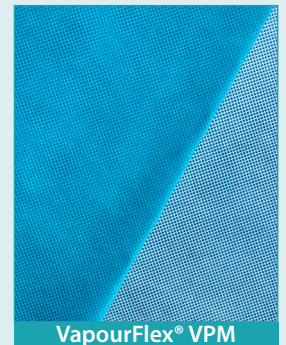
VapourFlex® VPM also protects the building frame and internals from the elements prior to the external cladding being installed, allowing internal works to commence earlier.

Key Benefits

- ▶ Suitable for use behind all cladding types and wall systems such as fibre cement sheets, weather board, timber and brick veneer construction.
- ▶ Class 4 Vapour Permeable Membrane and a Water Barrier in compliance with AS/NZS 4200.1.
- ▶ Suitable for use in Climate Zones 2-8 in both commercial and residential applications.
- ▶ Achieves low flammability results when tested to AS/NZS 1530.2.
- ▶ Suitable for bushfire-prone areas and use in construction requirements with BALs of LOW – FZ.
- ▶ Up to 90 days UV resistance and extremely durable.

Roll Sizes

- ▶ 2740 mm x 30 m (82.2m²) - Product Code VFVPM-82.
- ▶ 1500 mm x 30 m (45m²) - Product Code VFVPM-45.
- ▶ 1370 mm x 30 m (41.1m²) - Product Code VFVPM-41.



VapourFlex® VPM



Summary of Testing Results

Flammability Index	AS/NZS 1530.2	≤5 (Low)
Thickness		<1.0 mm
Vapour Classification	ASTM E96	Class 4 Vapour Permeable
Vapour Permeability	ASTM E96	>1.1403 µg/N.s
Water Control	AS/NZS 4201.4	Water Barrier
Duty	AS/NZS 4200.1	Light Wall
Burst Strength	AS 2001.2.19	≥ 200
Edge Tear Machine Direction	TAPPI T470	≥ 90
Edge Tear Lateral Direction	TAPPI T470	≥ 90
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%
Emittance Value	AS/NZS 4201.5	Outward Facing: 0.9 Inward Facing: 0.9
Emittance Classification	AS/NZS 4200.1	Outward Facing: IR Non-Reflective Inward Facing: IR Non-Reflective
Electrical Conductivity		Non-Conductive

National Construction Code (NCC) Compliance

VapourFlex® VPM complies with the National Construction Code (NCC) for pliable building membranes and sarking type materials and satisfies the following requirements:

Condensation Management:

- ▶ Complies with AS 4200.1 for pliable building membranes, and therefore meets the requirements of NCC 2022 Volume 1 F8D3 Condensation Management and NCC 2022 Volume 2 ABCB Housing provisions 10.8.1.

Non-Combustible Sarking-Type Material Exemption:

- ▶ VapourFlex® VPM has a Flammability Index ≤5 and does not exceed 1 mm in thickness, and therefore may be used in accordance with the non-combustible sarking-type material exemption stated in NCC 2022 Volume 1 C2D10 (6)(f) and NCC 2022 Volume 2 H3D2 (1)(f).

Fire Hazard Properties and Bushfire Attack Levels (BAL):

- ▶ Complies with AS 3959 for Construction of Buildings in Bushfire-Prone Areas, and is suitable for use in all BALs including regions with a Bushfire Attack Level (BAL) LOW – FZ. VapourFlex® VPM meets these construction requirements by having a flammability index ≤5.

Specification Notes

When specifying, state the following:

Product Name: Reflex Insulation® VapourFlex® VPM

The pliable building membrane to be installed shall be Reflex Insulation® VapourFlex® VPM and shall be installed in accordance with AS 4200.2. The product must have the following properties:

- ▶ Duty Classification: Light Wall or greater
- ▶ UV Exposure: Up to 90 days or greater
- ▶ Flammability Classification: Low (≤5)
- ▶ Vapour Permeability Classification: Class 4
- ▶ Vapour Permeability: 1.1403 ug/N.s or greater
- ▶ Water Control Classification: Water Barrier

Storage and Handling

Store this product undercover in a clean, dry place in the pack provided.

Prior to and during installation this product must be kept dry and out of contact with alkaline products, cement and mortar.

Distributed by:



Reflex Insulation Pty Ltd
 Phone: **1300 720 185**
 Email: **info@reflexinsulation.com.au**
www.reflexinsulation.com.au