

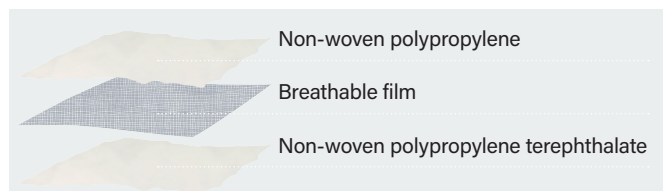
Sisalation® Vapawrap® Residential Wall Wrap

Water barrier vapour permeable wall membrane for colder climates

Description

Sisalation® Vapawrap® Residential Wall Wrap is a lightweight, highly vapour permeable flexible membrane engineered from resilient non-woven fabric. It has high resistance to water and is perfectly suited for residential buildings with high permeable, moisture transfer requirements.

Product composition



Application

Sisalation® Vapawrap® Residential Wall Wrap is designed for use in Australia's colder climate zones, and where a vapour permeable membrane is required. Sisalation® Vapawrap® Residential Wall Wrap is suitable for walls and gable applications in brick veneer and behind fibre cement cladding where manufacturers require use of vapour permeable membranes. When overlapped and sealed with 3M White Seaming Tape, Sisalation® Vapawrap® Residential Wall Wrap provides a secondary skin against liquid water, wind and dust penetration. It also protects the building frame by minimising the accumulation of interstitial condensation. Sisalation® Vapawrap® Residential Wall Wrap can act as a weather barrier to protect the inside of a building for up to 8 weeks while the external façade is constructed.

Features and benefits

UV exposure up to 8 weeks	→	Internal works can be completed before external building façade is installed, speeding up program of works and making schedule of works easier.
Flexible and lightweight	→	Easy to install, speeding up installation times.
Cohesive surface	→	Tapes adhere to surface easier, making installation faster and ensuring greater reliability of the water barrier.

Product data

Width mm	Length m	Area per roll m ²	Nominal weight per roll kg	Old product code	New product code
1350	30	40.5	4.7	256253	4006867
1500	30	45	5.2	256290	4006878
2700	30	81	8.7	395272	4006746

Physical properties

Property		Test method/Standard	Result	Unit
Duty Classification		AS/NZS 4200.1	Light Wall	
Burst Strength		AS 2001.2.19	≥ 200	N
Edge Tear	Machine	TAPPI T470	≥ 90	N
	Lateral		≥ 90	N
Vapour Permeability		ASTM E96	> 1.14	µg/N.s
Vapour Classification		AS/NZS 4200.1	Class 4	
Water Control		AS/NZS 4201.4	Water Barrier	
Emittance	Outwards face	AS/NZS 4201.5	IR Non-reflective (0.9)	
	Inwards face		IR Non-reflective (0.9)	
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%	
Electrical Conductivity		AS/NZS 4201.6	Electrically non-conductive	
Nominal Thickness			< 1.0	mm
Allowable UV exposure prior to completion of cladding			8	weeks

Fire hazard properties

Sisalation® Vapawrap® Residential Wall Wrap exhibits the following characteristics when tested in accordance with the following standards:

Property	Test method/standard	Result
Flammability Index	AS/NZS 1530.2	≤ 5 (Low)

Compliance

Sisalation® Vapawrap® Residential Wall Wrap products comply with the National Construction Code (NCC) for sarking type materials and satisfy the following requirements:

- AS 4200.1 for 'Pliable Building Membranes' Deemed to Satisfy Standard, recognised by NCC Volumes 1 and 2.
- Meets the requirements of NCC 2022 Volume 1 F8D3 Condensation Management Deemed to Satisfy – External Wall Construction and NCC 2022 Volume 2 ABCB Housing provisions 10.8.1
- NCC 2022 Volume 1 Non-Combustible building elements C2D10 (6) (f) Sarking-type materials that do not exceed 1mm in thickness and have a Flammability Index not greater than 5. NCC 2019 Volume 2 General Concession – Non-Combustible Materials H3D2 (2) (a) Sarking-type materials that do not exceed 1mm in thickness and have a Flammability Index not greater than 5.
- Suitable for use in bushfire areas with a Bushfire Attack Level (BAL) Low-FZ (Walls) in accordance with AS 3959.

Important notes

- Sisalation® Vapawrap® Residential Wall Wrap must be installed in accordance with AS 4200.2 'Pliable Building Membranes and Underlays – Installation Requirements' and Fletcher insulation Installation guide.
- Ensure to install Sisalation® Vapawrap® Residential Wall Wrap with the printed spun-bonded side facing outwards.
- Sisalation® Vapawrap® Residential Wall Wrap is not designed to withstand prolonged direct exposure to weather elements. Following installation of Sisalation® Vapawrap™ Vapour Permeable Wall Wrap, the external cladding must be fixed within 8 weeks.
- Sisalation® Vapawrap® Residential Wall Wrap does not require any maintenance but when exposed through removal of cladding, the wrap must be inspected, and any damaged areas repaired or replaced.
- Sisalation® Vapawrap® Residential Wall Wrap must be stored in a clean, dry place and must be protected from damage and weather.
- Building Designer to consider the suitability of this product based on the project design requirements.
- All joints and penetrations should be taped with 3M White Seaming Tape as per requirements of AS 4200.2.

Environmental properties

Ozone Depleting Potential (ODP) substances are not used in the manufacture or composition of Sisalation® Vapawrap® Residential Wall Wrap.

The use of Sisalation® Vapawrap® Residential Wall Wrap guarantees the use of zero ODP product while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable products whilst also maintaining indoor air quality.

Technical specification

When specifying, please state the following:

The wall wrap insulation material shall be Fletcher Insulation Sisalation® Vapawrap® Residential Wall Wrap _____ width mm x _____ length mm, Product Code _____ or approved equal.

The product must have the following properties:

- Classified Light Wall Duty or greater
- UV exposure up to 8 weeks or greater
- Vapour permeability 1.14 µg/N.s or greater
- Vapour permeability classification – Class 4
- Classified as a Water Barrier

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