

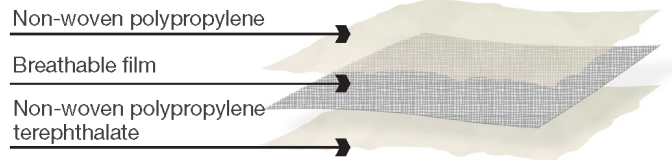
Sisalation® Vapawrap® Residential Wall Wrap

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. 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 Tyvek Contractor Tape, 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. 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.

Key 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

Product	Width mm	Length m	Area per roll m ²	Approx nominal weight per roll kg	Product Code
Sisalation® Vapawrap® Residential Wall Wrap	1350	30	40.5	5	256253
	1500	30	45	5.5	256290

Physical Properties

Property	Test Method/Classification	Test Result	Unit
Duty Classification	AS/NZS 4200.1:2017	Light Wall	
Burst Strength	AS 2001.2.19	≥ 200	N
Edge Tear	Machine	≥ 90	N
	Lateral	≥ 90	N
Vapour Permeability	ASTM E96	> 1.14	µg/N.s
Vapour Classification	AS/NZS 4200.1:2017	Class 4	
Water Control	AS/NZS 4201.4	Water Barrier	
Air Control	ISO 5636-5:2003	>0.1 (Air Barrier)	MNs/m ³
Emittance	Outwards face	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	Test Result
Flammability Index	AS/NZS 1530.2:1993 (R2016)	≤ 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/NZS 4200.1: 2017 for 'Pliable Building Membranes' Deemed to Satisfy Standard, recognised by NCC Volumes 1 and 2.
- NCC 2019 Volume 1 Non-Combustible building elements C1.9(e) (vi) 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 3.7.1.1 (f) 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 in accordance with AS 3959:2018.

Important Notes

- Sisalation® Vapawrap® Residential Wall Wrap must be installed in accordance with AS 4200.2:2017 '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 Tyvek Contractor Tape or equivalent 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 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.

When specifying, state the following:

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The wall wrap insulation material shall be Fletcher Insulation Sisalation® Vapawrap® Residential Wall Wrap _____ (width) 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 ug/N.s or greater
- Vapour permeability classification – Class 4
- Classified as a Water Barrier

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