

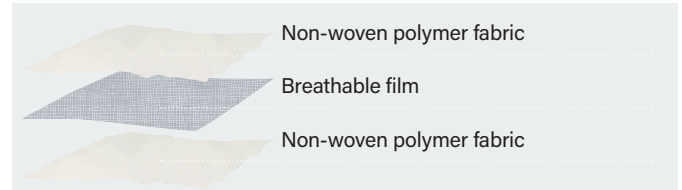
Sisalation® Vapawrap® Residential Wall Wraps

Water barrier vapour permeable wall membrane

Description

Sisalation® Vapawrap® Residential Wall Wraps are a lightweight, Class 4 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, water vapour transfer requirements.

Product composition



Application

Sisalation® Vapawrap® Residential Wall Wraps are designed for use in Australian climate zones 2–8 and where a vapour permeable membrane is required. Sisalation® Vapawrap® Residential Wall Wraps are suitable for walls and gable applications in masonry veneer and behind lightweight cladding where manufacturers require use of vapour permeable membranes. When overlapped and sealed with Seaming Tape, Sisalation® Vapawrap® Residential Wall Wraps provide a secondary layer of defense against liquid water, wind and dust penetration. It also protects the building frame by minimising the accumulation of interstitial condensation. Sisalation® Vapawrap® Residential Wall Wraps can act as a weather barrier to protect the inside of a building for between 30 days and 90 days, depending on the vapawrap selected, while the external façade is constructed.

Features and benefits

UV exposure up to 3 months	→	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 m²	Nominal weight per roll kg	Product code
VP4-30	1350	30	40.5	4.7	4021556
VP4-30	1500	30	45	5.2	4021557
VP4-90	1350	30	40.5	4.7	4021549
VP4-90	1500	30	45	5.2	4021550

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		VP4-30	30	days
		VP4-90	90	days

Fire hazard properties

Sisalation® Vapawrap® Residential Wall Wraps exhibit 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

NCC 2019

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 2019 Volume 1 F6.2(a) & Volume 2 3.8.7.2(a) through compliance with AS 4200.1
- 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.
- When tested to AS/NZS 1530.2 this product does not exceed the 'Flammability index' as required by NCC 2019 Volume 1, Specification C1.10 Clause 7 for Sarking-Type materials: In other locations.
- Suitable for use in bushfire areas with a Bushfire Attack Level (BAL) Low-FZ (wall) or Low-40 (roof) in accordance with AS 3959.

NCC 2022

- AS 4200.1 for 'Pliable Building Membranes' Deemed to Satisfy Standard, recognised by NCC Volumes 1 and 2.
- Meets the requirements of NCC 2019 Volume 1 F8D3 & Housing Provisions 10.8.1 through compliance with AS 4200.1
- Product meets non-combustible exemption for sarking type material outlined in 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 2022 Volume 2 General Concession – Non-Combustible Materials H3D2(1) (f) Sarking-type materials that do not exceed 1mm in thickness and have a Flammability Index not greater than 5.
- When tested to AS/NZS 1530.2 this product does not exceed the 'Flammability index' as required by NCC 2022 Volume 1, S7C7 for Sarking-Type materials: In other locations.
- Suitable for use in bushfire areas with a Bushfire Attack Level (BAL) Low-FZ (wall) or Low-40 (roof) in accordance with AS 3959.
- 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 Wraps 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 Wraps with the printed spun-bonded side facing outwards.
- Sisalation® Vapawrap® Residential Wall Wraps are 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 the specified time period, depending on the product used.
- Sisalation® Vapawrap® Residential Wall Wraps do 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 Wraps 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 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 Wraps.

The use of Sisalation® Vapawrap® Residential Wall Wraps 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 30 days or 90 days
- Vapour permeability 1.14 µg/N.s or greater
- Vapour permeability classification – Class 4
- Classified as a Water Barrier

© Fletcher Insulation Pty Limited 2025. Fletcher Insulation reserves the right to change product specifications without prior notification. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. The colour PINK, Pink® and Pink® Batts are registered trademarks of Owens Corning used under licence by Fletcher Insulation. FBS-1 Glasswool Bio-Soluble Insulation® is a registered trademark of ICANZ. Unless otherwise stated all ™ and ® are trademarks and registered trademarks of Fletcher Insulation Pty Limited ABN 72 001 175 355. FTDS20_Revision_10_Issue Date 01082025.