

# Sisalation® SureWrap™ Wall

## Absorbent Synthetic Wall Underlay

### Application

Sisalation® SureWrap™ Wall is a fire retardant absorbent underlay. It is a bi-laminate underlay with a breathable film ultrasonically laminated to a layer of non-woven polyolefin specifically designed as a wall underlay for use behind exterior wall claddings.

Sisalation® SureWrap™ Wall can be used as a flexible wall underlay on the following applications:

- Timber and steel framed buildings with absorbent and non-absorbent wall claddings direct fixed to the framing.
- Timber and steel framed buildings with absorbent and non-absorbent wall claddings installed over a drained cavity.
- With masonry veneer in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or to a specific design for steel framed buildings.

It can also be used:

- As an air barrier to walls that are not lined, ie: gable ends.
- As a flexible wall underlay over rigid wall underlays on timber and steel framed buildings.

### Features and Benefits

- Fire retardant - will not support combustion
- BRANZ appraised - meets New Zealand Building Code requirements
- Suitable for direct fixed and cavity applications
- Suitable for absorbent and non-absorbent wall claddings
- Excellent UV resistance - can be left unclad for up to 42 days
- Light colour - allows working on the interior and makes fixing easier

### Technical Data

NZBC E2/AS1 Table 23			
Performance Criteria	Requirement	Performance	
Absorbency	≥ 100 g/m <sup>2</sup>	Pass	
Vapour Resistance	≤ 7 MNs/g	Pass	
Water Resistance	≥ 20 mm	Pass	
pH of Extract	≥ 5.5 and ≤ 8.0	Pass	
Shrinkage	≤ 0.5 %	Pass	
Mechanical	Tensile Strength	MD ≥ 3.0 kN/m, CD ≥ 1.0 kN/m	Pass
	Edge Tear	MD ≥ 150 N, CD ≥ 100 N	Pass
Air resistance	≥ 0.1 MN s/m <sup>3</sup>	Pass	
Additional Information			
Flammability Index	Fire Retardant: ≤ 5		
Wind load zone	Flexible Wall Underlay: Up to and including Very High		
	Use over rigid Wall Underlay: Up to and including Extra High		

### New Zealand Building Code (NZBC) and Limitations

Sisalation® SureWrap™ Wall when used, installed and maintained in accordance with the requirements outlined in this datasheet will meet or contribute to meeting the following provisions of the NZBC:

#### NZBC Clause B2: Durability

Meets the requirement of NZBC B2.3.1 a) 50 years and b) 15 years

#### NZBC Clause E2: External Moisture

Contributes to meeting these requirements

#### NZBC Clause F2: Hazardous Building Materials

Meets this requirement and will not present a health hazard to people

Sisalation® SureWrap™ *shall be*:

- Used behind claddings that will remain weather resistant
- Considered as part of the wall cladding system and not in isolation
- Used on studs at 600mm centres max and dwangs fitted flush at 1200mm centres max
- Used only as a wall underlay

Sisalation® SureWrap™ *shall not be*:

- Used to compensate for poor detailing and workmanship of the window or door joinery installation
- Exposed to the weather or UV light for more than 42 days
- Used as a roof underlay

#### Installation with LOSP treated timber

Suitable for use with LOSP treated timber, conditional upon the solvent in LOSP treated timber having had sufficient time to evaporate.

## Installation

### Installation on Timber and Steel framing

- Run horizontally with print facing outwards
- End laps should not be less than 150mm and made over framing
- If horizontal joints are required, lap the upper sheet over the lower sheet to prevent water ingress between sheets – laps should be not less than 150mm
- Sisalation® SureWrap™ Wall should extend from the upper-side of the top plate to the under-side of the bearers or bottom plate for concrete slab floors
- Install taut over framing
- Secure to framing using clouts (>20mm) or staples (6-8mm) at no greater than 300mm centres

### Cavity Installations where cavity battens are to be installed at greater than 450mm centres

- Install Sisalation® SureWrap™ Wall as above
- Fix polypropylene tape (e.g. DanBand) at 300 centres horizontally over framing, before installing the cavity battens

### Stucco Plaster - use of Sisalation® SureWrap™ Wall as a non-rigid backing material or a slip layer

Limit cavity deflection to a maximum of 5mm with the use of support. eg: 75mm galvanised mesh, plastic tape or wires at 150mm centres; or as a slip layer over rigid backing

### Window/Door Details

- Cut the Sisalation® SureWrap™ Wall over the window or door opening as shown in Figure 1: Cut
- Wrap and fold side, sill and lintel flaps around all four sides of the framing. Secure to inside face using staples or clouts
- Install head flashing. Cover with a new piece of Sisalation® SureWrap™ Wall extending to the next higher lap or flashing above
- Install Window Flashing Tape (Bulldog™ or Aluband™ or other flashing tape to comply with NZBC E2/AS1 as per tape instructions)

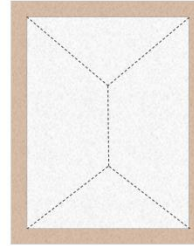


Figure 1: Cut

### Repairs

- If torn or punctured, cover over the damaged area with additional wrap (with at least a 150mm overlap) and tape. Tape small tears

## Specification Notes

State the following: Product required: Sisalation® SureWrap™ Wall

### Product Specification

Description	Product Code	Roll Size	Area	GSM
Sisalation® SureWrap™ Wall	799300	2740mm x 36.5m	100 m <sup>2</sup>	90 gsm
Sisalation® SureWrap™ Wall	799700	1370mm x 73.0m	100 m <sup>2</sup>	90 gsm

## Storage

Sisalation® SureWrap™ must be protected against damage and weather. Rolls must be stored on end, under cover in a clean, dry environment. Do not crush product.

## Accreditations/Appraisals/Certification



Tasman Insulation New Zealand Limited  
9-15 Holloway Place, Penrose,  
Auckland,  
New Zealand

(1) This data sheet may have been superseded. Please refer to pinkbatts.co.nz for the most current information. This data sheet supersedes all previous versions. (2) Tasman Insulation New Zealand Ltd retains the right to change specifications without prior notification. (3) Do not use this product for any application not detailed in this data sheet. (4) Recommendations and advice regarding the use of this product are to be taken as a guide only. The purchaser should ascertain the suitability of this product for the particular end-use situation intended and when used in conjunction with other products. (5) Consult Tasman Insulation New Zealand Ltd for further information. (6) All claims about this product are subject to any variation caused by normal manufacturing process and tolerances. (7) The liability of Tasman Insulation New Zealand Ltd and its employees and agents for any errors or omissions in this data sheet or otherwise in relation to the product is limited to the fullest extent permitted by law. Except where the consumer acquires the goods for the purposes of a business, any rights a consumer may have under the Consumer Guarantees Act are not affected. (8) This information is provided without prejudice to Tasman Insulation New Zealand Ltd standard terms and conditions of sale.

Please consider the environment before printing this document  
For further information visit [pinkbatts.co.nz](http://pinkbatts.co.nz) or call 0800 746 522

# WALL

PRODUCT DATA SHEET