

## Sisalation® Permeable Shed Liner

### Synthetic Roof and Wall Underlay

#### Application

Sisalation® Permeable Shed Liner is a fire retardant synthetic underlay recommended for use in industrial and agricultural sheds where a translucent roof underlay is required. It is made by laminating two layers of spun bonded polyester to either side of a highly breathable film.

Suitable for the following applications:

- Fixing on all roof and wall cladding types
- Building wind zones up to and including "very high"

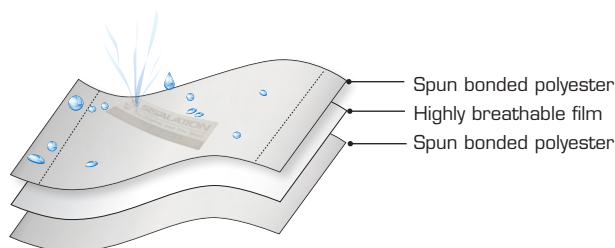
This underlay is ideal for FARM SHEDS, GARAGES AND OUT BUILDINGS.

Sisalation® Permeable Shed Liner is also recommended to be used as an underlay for walls in these applications

#### Features and Benefits

- Fire retardant – will not support combustion
- Non Kraft based – may be exposed to rainfall during installation without affecting future durability or performance
- Vapour permeable – allowing vapour to pass through the membrane minimising the build-up of condensation
- No shrinkage – allowing no maximum run length on installation
- 1.5m wide – covers more area per roll with less overlaps
- Translucent – will provide light diffusion to farm sheds, garages and out buildings.
- Anti-mould surface – will not support mould or rot
- Highly absorbent – can be used for walls and roofs

#### Technical Data



NZBC E2/AS1 Table 23 Classification	Requirement	Performance
Surface Absorbency	≥150 g/m <sup>2</sup>	Pass
Vapour Resistance	≤ 7 MNs/g	Pass
Water Resistance	≥ 100 mm	Pass
pH of Extract	≥ 5.5 and ≤ 8.0	Pass
Shrinkage	≤ 0.5 % or <1.5%	0%
Additional Information NZS 2295:2006 Classifications for Wall Underlays		
Flammability Index	≤ 5	Fire Retardant
Wind Load Zone		Very high

#### New Zealand Building Code (NZBC)

Sisalation® Permeable Shed Liner 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 or will contribute to meeting the requirement of NZBC B2/AS1 Table 1 (Building Wraps/Roof Underlay) B2.3.1 a) 50 years and b) 15 years

##### NZBC Clause E2: External Moisture

Meets or will contribute to meeting the requirements of NZBC E2/AS1 for use as a roof or wall underlay

##### NZBC Clause F2: Hazardous Building Materials

Will not present a health hazard to people according to F2.3.1

##### NZBC Clause E2/AS1 Paragraph 1.2 Construction Excluded, 1.2.1 Outbuilding

Outbuildings, such as stand-alone garages and other structures that are unlined are outside the scope of the Acceptable Solution.

## Installation

For all roof types Sisalation® Permeable Shed Liner must be:

- Adequately fixed across its width and secured in place with 8mm staples or 20mm clouts capturing **all** edges until the roof can be fixed completely
- Must be pulled taut and installed in a manner that prevents ponding of condensation
- Used with support when spans are > 900mm
- Clad within 7 days of installation
- Lapped by 150mm and face away from the prevailing wind
- If a lap seal is required use DuPont™ Tyvek® Contractor Tape

### Penetrations

- Underlay must fit tightly and be lap taped around penetrations, allowing for free drainage of condensation

### Repairs

- Damage should be repaired with a new piece of Sisalation® Permeable Shed Liner; the covering piece should cover at least 150mm on each side and run
  - a. From the ridge to the next available purlin below the tear OR
  - b. From the purlin above (it is recommended to use Tyvek® Contractor Tape to secure the upper lap of the new piece) and below the tear

### Other

- Under dark coloured roofing support via the usage of netting or strapping is recommended
- Installation directly below skylights is not recommended for long term product durability

For walls (timber and steel framing) Sisalation® Permeable Shed Liner must be:

- Run horizontally with print facing outwards
- Horizontal Joins: Lap upper sheet over lower sheet by no less than 150mm to prevent water ingress between sheets
- Vertical Joins: Lap ends by no less than 150mm
- Install taut over framing to prevent post installation cavity noise
- Secure to framing using clouts >20mm or staples (6-8 mm) at no greater than 300mm centres. If cavity battens are to be installed at greater than 450mm centres, fix polypropylene tape (e.g. Dan Band) at 300mm centres horizontally over framing before installing the cavity battens

### Repairs

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

## Specification Notes

State the following: Sisalation® Permeable Shed Liner

### Product Specification

Description	Product Code	Roll Size	Area	GSM
Sisalation® Permeable Shed Liner	799500	1500mm x 50m	75m <sup>2</sup>	115gsm

## Storage

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



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