

Sisalaton® Pliable Building Membranes

Sisalaton® pliable building membrane products should be installed in accordance with 'AS/NZS 4200.2:1994 Pliable Building Membranes and Underlays - Installation Requirements for Metal Roofs, Tile Roofs and Walls'.

NOTE: prior to installation, ensure the Sisalaton® pliable building membrane intended for install is suitable for the project application either by referring to the product Technical Data Sheet available for download via www.insulation.com.au or by phoning Fletcher Insulation on 1300 654 444.

Before you commence – Electrical Safety Precautions:

Foil products conduct electricity. It is important that all safety requirements are adhered to when installing this product. As a minimum, have your electrician disconnect the electrical supply prior to commencing the installation to ensure that the foil is not 'LIVE'. Reconnect the electrical supply after installation and then test to confirm that the foil is not conducting electricity.

Under no circumstances should this product be applied horizontally in residential ceiling space and under-floor applications. Refer to the Australian / New Zealand Wiring Rules (AS/NZS 3000:2007) for detailed information.

Important notes:

- Sisalaton® pliable building membranes are not designed to withstand prolonged direct exposure to the elements. Accordingly, the outer construction envelope should be installed without delay. If installed within 500 metres of the sea, or in a non-residential building where foil surfaces may be exposed to a corrosive atmosphere, foil surfaces shall face an enclosed, non-ventilated air space.

- If you intend on installing Sisalaton® pliable building membranes into a corrosive environment, please consult with Fletcher Insulation's Technical Advice Team beforehand as a number of Sisalaton® products are not suitable for use in corrosive environments.
- Sisalaton® pliable building membrane products must be kept dry and out of contact with alkaline products, cement and mortar.
- To induce the thermal insulation properties of Sisalaton® pliable building membranes, the reflective surface of the membrane must be placed adjacent to an air-space, the type of product used and the depth of the air-space provided will influence the thermal properties of the membrane in-situ. For Total R-value advice, visit www.insulation.com.au/fletcherspecpro or phone Fletcher Insulation's Technical Advice Team for further guidance.
- When Sisalaton® pliable building membranes are intended to act as a vapour barrier; Fletcher Insulation recommends that the Design Engineer and/or Architect approve the use and placement of the material in the project design prior to installation.

Residential metal and tiled roofs:

In residential sheet metal roofs, the Sisalaton® pliable building membrane shall be installed as a continuous membrane, anti-glare side facing out, and laid loosely over rafters/ battens on 450mm centres with a minimum drape of 40mm. For larger rafter spacings (in metal roofs), the drape shall be increased proportionally. Joins must be overlapped by a minimum of 50mm when taped and a minimum of 150mm when not taped. When used under tiles, Sisalaton® must be installed under the battens, with a sag not exceeding 40mm, in accordance with AS/NZS 4200.2:1994.

Commercial metal deck roofs:

The Sisalation® pliable building membrane shall be installed as a continuous membrane, anti-glare side facing out, and laid with a maximum sag allowable by the safety mesh between purlins. Joins must be overlapped by a minimum of 50mm when taped and a minimum of 150mm when not taped. The roof sheet may be fixed by screwing through the Sisalation® pliable building membrane into the purlin.

Framed walls:

In framed walls and gables, the Sisalation® pliable building membrane shall be installed horizontally as a continuous membrane by fixing to all framing members with the anti-glare side facing out. Joins must be overlapped by 150mm to facilitate drainage.

The Sisalation® pliable building membrane shall extend from the top plate to the bottom plate on concrete slabs or bearers in timber constructions. Fixings are to be no more than 450mm apart and should be installed using galvanised clouts or staples when fastening to timber construction and; TEK screws when fastening to steel constructions. It is recommended that flat punched multi-point fasteners or cap screws are used for fixing in high wind areas. 150mm minimum overlaps must be allowed for or; all joins must be taped using 72mm Fletcher Insulation Tape to prevent water ingress.

Any damage made to the Sisalation® pliable building membrane during installation, including holes and tears, must be repaired. Where the Sisalation® pliable building membrane is intended to act as a vapour barrier, tape and seal all overlapped joins, penetrations and discontinuities with 72mm Fletcher Insulation Tape to prevent air movement. When the Sisalation® pliable building membrane is installed as sarking, all penetrations shall be sealed or turned up to facilitate drainage around penetrations. Ensure window and door openings are cut neatly and carefully and are properly fitted at flashing points.

The Sisalation® pliable building membrane shall be cut back from any hot flue to avoid being a fire hazard. This can be achieved by allowing for a clear space of at least 50mm, or as recommended by the flue manufacturer and approved by the local authority.

Note: if your project requirements vary to the application/ installation guidelines provided, contact Fletcher Insulation for advice prior to commencing the installation.