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## **Watertight Silver – Wall Underlay**

### **Installation procedure**

- Installation must always be carried out in accordance with this document. Where the work is Restricted Building Work, must be installed by a Licenced Building Practitioner with the relevant License class.
- Watertight Silver-Wall Underlay has been appraised for use as a flexible wall underlay for timber and steel framed buildings.
- Watertight Silver-Wall Underlay must be fixed at maximum 300 mm centres to all framing members with large-head clouts 20 mm long, 6-8 mm stainless steel staples, self-drilling screws or proprietary underlay fixings. The underlay must be pulled taut over the framing before fixing.
- In cavity installations where the cavity battens are installed at greater than 450 mm centres, the wall underlay must be supported between the battens to prevent the underlay bulging into the cavity space with polypropylene strap, 75 mm galvanised mesh or galvanised wire or vertical cavity battens.
- Watertight Silver-Wall Underlay must be run horizontally and must extend from the upper side of the top plate to the under-side of the bearers or wall plates supporting ground floor joists, or below bottom plates on concrete slabs. Horizontal laps must not be less than 150 mm wide, with the direction of the lap ensuring that water is shed to the outer face of the membrane. End laps must be made over framing and be no less than 150 mm wide.

- Watertight Silver-Wall Underlay should be run over openings and this left covered until windows and doors are ready to be installed. Openings are formed in the membrane by cutting on a 45° diagonal from each corner of the penetration. The flaps of the cut membrane must be folded inside the opening and stapled to the penetration framing. Excess underlay may be cut off flush with the internal face of the wall frame.
- When fixing the product in windy conditions, care must be taken due to the large sail area created by wide roll widths.
- Watertight Silver-Wall Underlay must not be exposed to the weather or ultraviolet light for a total of more than 90 days before being covered by the wall cladding.
- Handling and storage whether on or off site, is under the control of the installer. The rolls must be protected from damage and weather, they must be stored on end, under cover, in clean, dry conditions and must be not crushed.
- Watertight Silver-Wall Underlay is supplied in rolls of 2.74 m wide x 36.5 m long (100 m<sup>2</sup>) and rolls of 1.50 m wide x 50 m long (75 m<sup>2</sup>) and wrapped in clear polythene film.
- Any damaged areas of Watertight Silver-Wall Underlay, such as tears, holes, or gaps around service penetrations, must be repaired. Damaged areas can be repaired by covering with new material lapping the damaged area by at least 150 mm and taping, or by taping small tears.
- The Technical Literature must be referred to during the inspection of Watertight Silver-Wall Underlay installations.