

Enviroseal ProctorWrap RW Residential Wall

Installation Recommendations

Enviroseal ProctorWrap Residential Wall (RW) shall be installed in accordance with AS/NZS 4200.2 Pliable Building Membranes and Underlays, Part 2 Installation Requirements. Enviroseal ProctorWrap RW shall be installed taut over the frame, with the printed face outwards and secured to all framing members at regular intervals.

Install horizontally to the outer face of external stud walls, from the bottom plate up, over the flashing, ensuring the lowest timbers or steel frame sections are protected from moisture. Upper layers should overlap lower layers to the outside surface so water progressively cascades down the membrane towards the outside of the building. Vertical laps should be staggered wherever possible and overlap by one full stud spacing. Overlaps should not be less than 150mm unless taped.

Fixings should be located within 50mm from the edge of the membrane and spaced at regular intervals so as not to exceed 300mm to prevent damage by wind.

When fixing to timber frames, Bradfix Enviroseal Fasteners or punched multi-point metallic-coated steel brads should be used.

When fixing to steel or aluminium, use tek screws with either 20mm diameter washers or through hardboard strips. When a tape is used for temporarily fixing to steel frames ProctorWrap SLS Duo Tape is recommended.

When fixing to plywood or other timber substrates use Bradfix Enviroseal Fasteners or punched multi-point metallic coated steel brads, and ensure the positions of the studs are marked to identify where further fixings such as wall ties can be used.

Users are required to determine if fixing details are appropriate for the design wind load.

Stainless steel fixings are recommended as required in corrosive environments.

At penetrations, such as pipes, an additional piece of Enviroseal ProctorWrap RW should be fixed around the penetration and taped into position, to channel water away from the opening.

If the membrane is used to provide a continuous air tight layer, all overlaps should be sealed with Enviroseal ProctorWrap SLS Tape.

Durability

Although Enviroseal ProctorWrap RW can be used as temporary protection during construction, it can not be used as a primary waterproofing membrane. The product may be damaged by careless handling, high winds or vandalism, and should not be left uncovered for longer than is absolutely necessary. Any damaged areas should be replaced before completion.

Ensure that Enviroseal ProctorWrap RW is covered by the primary cladding material as soon as possible, and **not left exposed to UV for longer than 4 weeks**. Enviroseal ProctorWrap RW is not to be used in open joint rain screen cladding installations where it could be exposed to long term UV radiation.

Some timber treatments may impact on the water resistance of the product so the membrane should only be applied once such treated timber has dried.

Delivery, Storage and Site Handling Requirements

Enviroseal ProctorWrap RW rolls are individually wrapped in a transparent polyethylene sleeve with an Enviroseal ProctorWrap RW 'User Guide' included with each roll. Rolls may be stored flat or upright on a clean, level

Windows

Run Enviroseal ProctorWrap RW over openings and leave covered until fenestrations are to be installed.

Cut the membrane on a 45° diagonal from each corner of the opening, fold the flaps inside and fix to the inside frame of the opening.

A complete water tight seal is achieved at penetrations by installation of Enviroseal ProctorWrap Corners or Enviroseal ProctorWrap SLS Flexi Tape. Please consult the separate installation guides for details of recommended installation around windows.

Condensation Risk

There are a large number of factors that need to be considered in assessing and managing condensation risk including local climate, building use, position, thickness and type of bulk insulation, location and integrity of vapour barriers, and mechanical or passive ventilation both in the roof space and wall cavities where applicable. It is highly recommended that designers run a condensation risk analysis.

Occupational Health and Safety

All proper safety measures should be taken during installation of Enviroseal ProctorWrap RW. All relevant OH&S and statutory regulations must be followed.

Enviroseal ProctorWrap RW is not designed for fall prevention purposes and is not intended to support a person's weight, or to be walked upon.

Installing lightweight membranes in high wind conditions is difficult and appropriate precautions should be taken during installation.

Tested to AS/NZS 1530.2 Enviroseal ProctorWrap RW achieves a flammability index of low (i.e. ≤ 5).

For more information or product data sheets, visit www.bradfordinsulation.com.au or call 1300 850 305

Product Performance

Enviroseal ProctorWrap RW performs to specification in normal building applications when installed in accordance to AS/NZS 4200.2. and this user guide. The information herein is supplied in good faith and to the best of our knowledge was accurate at the time of publication.

Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements.

Enviroseal ProctorWrap Residential Wall (RW)

Product Description:

Light* Duty vapour permeable membrane for use in:

- Light Weight Clad Walls
- Brick Veneer Walls

Product Code: 118153

Width: 1500mm
Length: 50m
Area: 75m²
Colour: Grey (top) printed in green

Classifications in accordance with AS/NZS 4200.1:

DUTY:	Light*
VAPOUR BARRIER:	Low
VAPOUR PERMEABILITY:	4.5µg/N.s
EMITTANCE:	Non-reflective
WATER BARRIER:	High

* Enviroseal ProctorWrap RW is classified as light duty in accordance with the value specified for bursting strength.

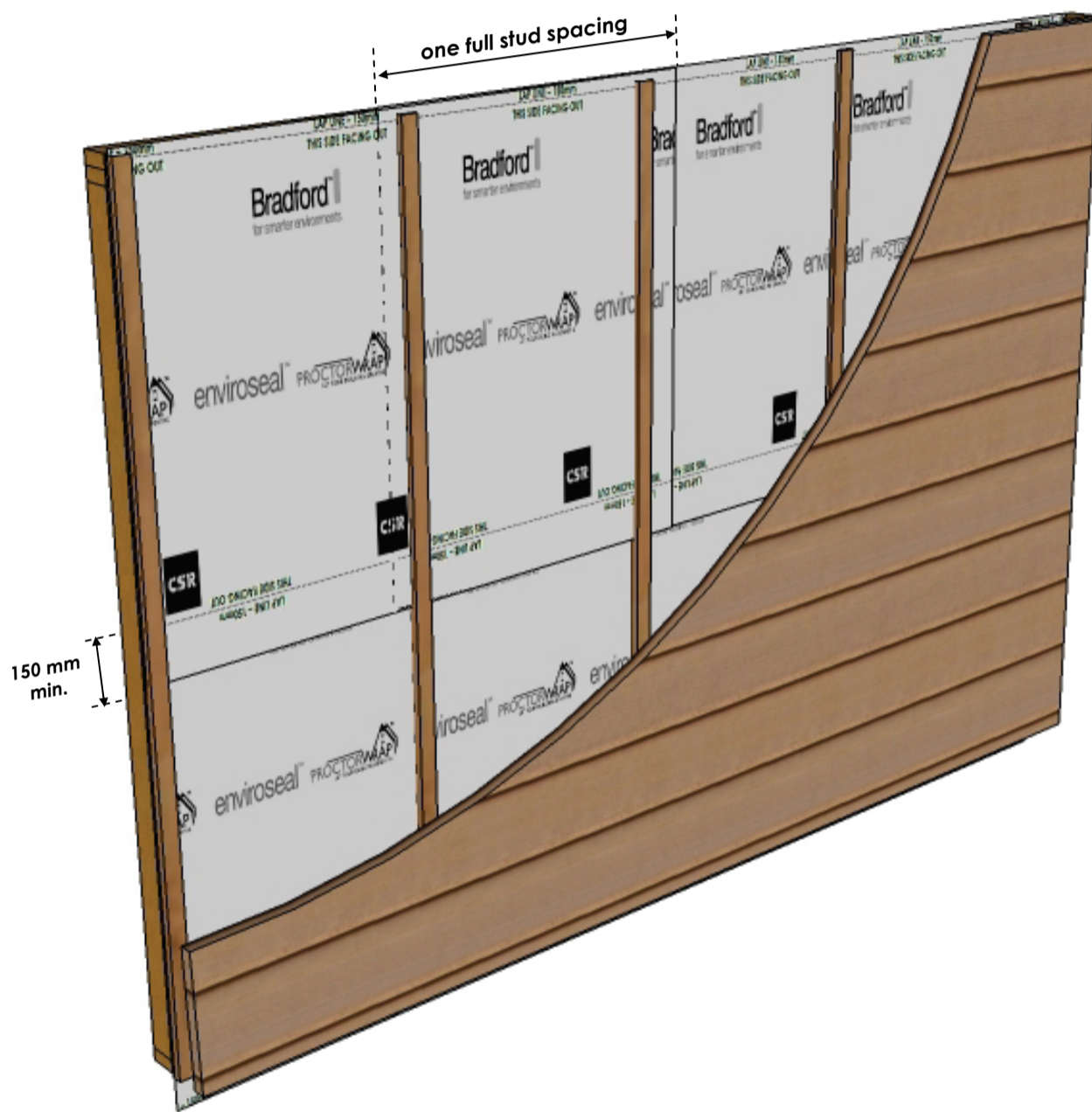
A product identifier code is printed on the underside of the membrane at 1m intervals. This product has been manufactured in conformity with EN 13859-1:2. Quality control checks on the finished product include:

- Weight
- Tensile strength and elongation
- Tear
- Water resistance
- Dimensional stability
- Water vapour transmission
- Reaction to fire
- Properties after artificial ageing



Enviroseal ProctorWrap RW

INSTALLATION OF ENVIROSEAL PROCTORWRAP RW



Key points:

1. It is "good practice" for the membrane to be separated from the exterior cladding by a minimum 20mm vented cavity. This allows for the drainage of any moisture that has penetrated the exterior cladding or condensation that may form on the rear face of the cladding.
2. Adequate provision for the drainage, absorption or diffusion of moisture is required to ensure that moisture is not left trapped between the Enviroseal ProctorWrap RW and the external cladding. This is especially important for vapour tight or non absorbent claddings such as steel.
3. Care should be taken when installing bulk insulation so that this does not restrict drainage within the cavity.
4. Upper layers should overlap lower layers to ensure water is always shed towards the outside of the membrane and building.
5. Vertical laps should be staggered wherever possible and should overlap by one full stud spacing.
6. If the membrane is used to provide a continuous air tight layer, all overlaps should be sealed with Enviroseal ProctorWrap SLS Tape.
7. Follow installation manuals from cladding manufacturers and consult the supplier where advice is contradictory.