



ProctorWrap CW-IT CW with Integrated Tape – Installation Guide

Installation Recommendations

ProctorWrap CW-IT shall be installed in accordance with AS/NZS 4200.2 Pliable Building Membranes and Underlays, Part 2 Installation Requirements. ProctorWrap CW-IT shall be installed taut over the outer frame or brace board framing, 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.

Fixing span-tables are available from Proctor Group Australia. 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. Fixing placement may need to be reduced, depending upon wind conditions, in accordance with the product span-table.

When fixing to timber frames, it is recommended that Proctor Plasti-Grip Washers or punched multi-point metallic-coated steel brads are used. Alternatively 8-10mm staples at 150mm intervals may be used where wind conditions do not create a risk of tearing around the staple head.

When fixing to steel or aluminium, it is recommended to use Proctor Plasti-Grip Washers with tek screws. ProctorPassive Duo Tape can be used for temporarily fixing to steel frames. To avoid delamination of the membrane under negative wind loads, only use double sided tape at locations where a permanent fixing or top hat/batten, will keep the ProctorWrap CW-IT secured against the frame.

When fixing to a rigid substrate, use Proctor Plasti-Grip Washers, 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 or in accordance with the product span-tables. Stainless steel fixings are recommended as required in corrosive environments or where required to be non-combustible.

At penetrations, such as pipes, use ProctorWrap HighTack or ProctorPassive YouByute Flexi tape or an additional piece of ProctorWrap CW-IT 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, any overlaps unsealed by the integrated tape should be sealed with ProctorWrap HighTack Tape. In difficult areas or shaped penetrations, use a combination of HighTack tape and a compatible sealant to cover over penetrations and membrane junction openings. HighTack tape can also be used to repair small tears.

Durability

Although ProctorWrap CW-IT can be used as temporary protection during construction, it is not a waterproof membrane as classified by AS 4654.2. 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 patch repaired or replaced before primary cladding install completion.

Ensure that ProctorWrap CW-IT is covered by the primary cladding material as soon as possible, and not left exposed to UV for longer than **2 months**.

ProctorWrap CW-IT 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.

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Windows

Pre-Window Install

Run ProctorWrap CW-IT 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 water tight seal of the ProctorWrap CW-IT is achieved at penetrations by following the ProctorPassive Window Detailing Guide.

NOTE: ProctorWrap CW-IT alone, is not a substitute for the required flashing of fenestrations. It is recommended that installers follow NCC requirements and the Australian Glass and Window Association guide and consult with the cladding and window manufacturer to confirm a suitable method of installation to provide a continuous water barrier and/or air-tight layer between the membrane and fenestration boundary.

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. Proctor Group Australia can assist in assessing condensation risk.

It is recommended that ProctorWrap CW-IT be installed adjacent to an outer cavity. The cavity shall provide an unobstructed pathway for drainage and drying.

Occupational Health and Safety

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

ProctorWrap CW-IT 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, ProctorWrap CW-IT achieves a flammability index of low (i.e. ≤ 5). As with other pliable building membranes that include polyolefins there is a risk that fire can spread if the material is accidentally ignited during maintenance works, e.g., by a plumber's torch. Care should be taken during building and maintenance to avoid the material being ignited.

Delivery, Storage and Site Handling Requirements

ProctorWrap CW-IT rolls are individually wrapped in a transparent polyethylene sleeve with a ProctorWrap CW-IT 'User Guide' included with each roll. Rolls may be stored flat or upright on a clean, level surface and kept under cover.

Product Performance

ProctorWrap CW-IT 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.

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.

ProctorWrap CW-IT

Product Description:

Light Duty vapour permeable membrane for use in:

- Light Weight Clad Walls
- Brick Veneer Walls

Width	1500mm
Length	50m
Area	75m ²
Weight	11.5kg
Colour	Grey

THIS PRODUCT MEETS THE REQUIREMENTS OF AS/NZS 4200.1.

PRODUCT IDENTIFIER	ProctorWrap CW-IT	
DUTY	Light wall	
VAPOUR CLASSIFICATION	Class 4	Vapour permeable
VAPOUR PERMEABILITY	3.0190 µg/N.s	
WATER CONTROL CLASSIFICATION	Water barrier	
FLAMMABILITY INDEX	LOW (≤ 5)	
ELECTRICAL CONDUCTIVITY	Non-conductive	
AIR CONTROL CLASSIFICATION	Air barrier	

EMMITTANCE

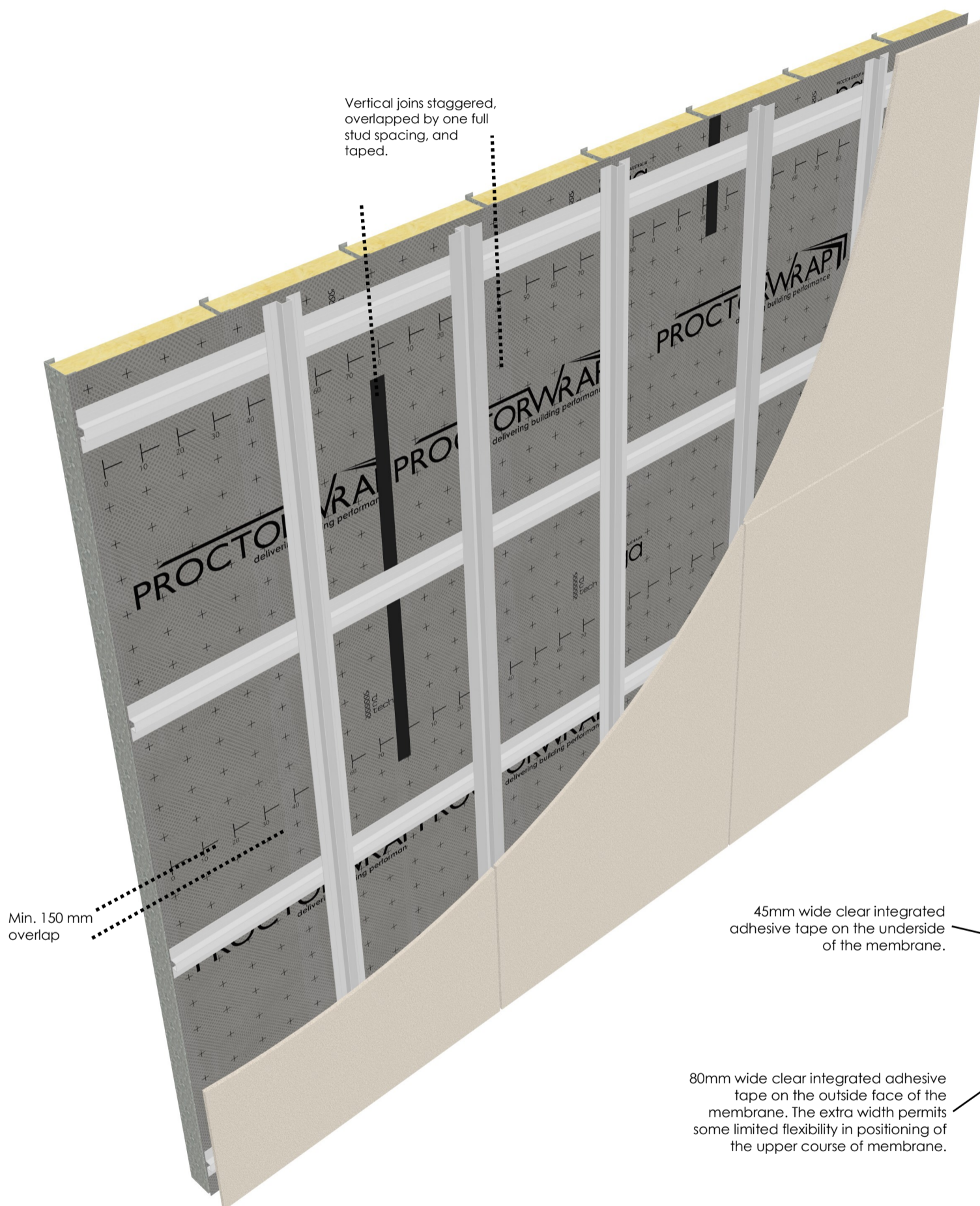
VALUE	CLASSIFICATION	CATEGORY
>0.15	IR Non-reflective	NN
>0.15	IR Non-reflective	

Classifications in accordance with AS/NZS 4200.1. This product should be installed in accordance with AS4200.2



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CW with Integrated Tape – Installation Guide



Vertical Overlaps

Vertical joints should be staggered, fixed at a stud with additional fasteners, overlapped by one full stud spacing and taped at the overlap.

Horizontal Overlaps & Integrated Tape

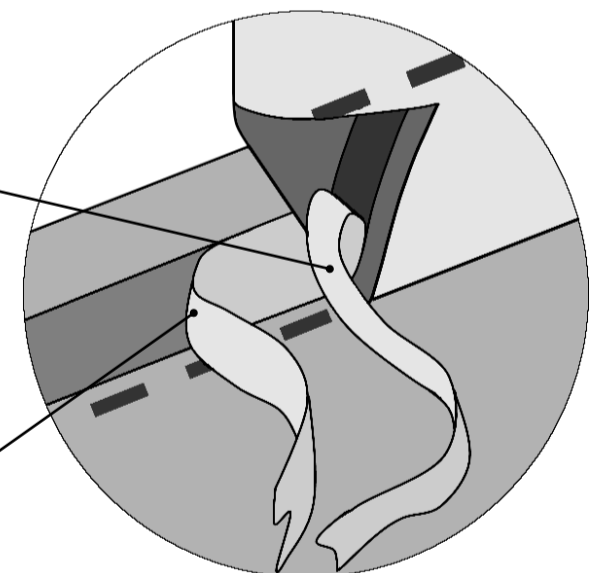
ProctorWrap CW-IT is supplied with a factory applied adhesive with release liner in two locations. (i) 80mm wide strip on the outer face of the lower course of membrane (ii) 45mm strip on the rear face of the upper course of membrane.

Overlaps should not be less than 150mm and such that the integrated tapes are aligned. The receiving strip on the outer face of the lower course is wider to permit adjustments to be made when positioning the upper course of ProctorWrap CW-IT.

Mechanically fix the ProctorWrap CW-IT in place and ensure that the integrated tapes are fully aligned before removing the release liner. **Note:** Once the adhesive bond has been made, it is impossible to separate without damaging the membrane.

Begin by removing a short length of both release liners. Line up both release liners together so they can be pulled away from the joint with one hand. Use the other hand to simultaneously apply pressure with a squeegee and smooth the two layers as the release liners are removed together. Be sure to remove the entire release liner, particularly where it has been interrupted by a fixing. Where a crease is identified that would impact on the integrity of air and water tightness, seal this crease with ProctorWrap HighTack Tape.

Ensure there is a permanent fixing with washer at each stud, located as close as possible to the centre of the overlap.



Other Key points:

1. It is recommended as best practice for the membrane to be separated from the exterior cladding by a minimum 15mm unobstructed vented cavity. This allows for the drainage and drying of any condensate, or moisture that has penetrated the exterior cladding.
2. Adequate provision for the drainage, absorption or diffusion of moisture is required to ensure that moisture is not left trapped between the ProctorWrap CW-IT and the external cladding. This is especially important for vapour tight or non-absorbent cladding materials such as metal.
3. Care should be taken when installing bulk insulation so that it does not deform the membrane and 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. If the membrane is used to provide a continuous air tight layer, all overlaps unsealed by the integrated tape should be sealed with ProctorWrap HighTack Tape.
6. Follow installation manuals from cladding manufacturers and consult the supplier where this advice is contradictory.