

# Enviroseal ProctorWrap Black Label with Integrated Tape (BL-IT)

## user guide

### Installation Recommendations

Enviroseal ProctorWrap Black Label (BL-IT) should be installed in accordance with AS/NZS 4200.2 Pliable Building Membranes and Underlays, Part 2 Installation Requirements. Enviroseal ProctorWrap BL-IT should be installed with the darker black "rubbery" surface facing outwards.

Apply to run horizontally to the outer face of external stud walls, from the bottom plate up and over the flashing. It is essential that the lowest timbers or steel frame sections are protected from moisture. Upper layers should overlap lower layers to shed water away from the membrane.

When temporarily fixing to timber frames, to plywood or other substrates, flat head clouts should be used. The edge distance to fixings should be a least 50mm. When fixing to steel or aluminium, use Tek screws with 30mm diameter washers.

Stainless steel fixings are recommended as good practice and are required in corrosive environments. Where fixings are left exposed and are likely to be subject to moisture ingress, penetrations should be covered by ProctorWrap SLS Black Label tape or sealed.

The membrane, after being pulled taut over the frame and overlaps taped, must be permanently secured to all framing members at regular intervals and fixed at intervals not exceeding 300mm.

Users should determine if fixing details are suitable for the design wind loads.

If the membrane is used to provide a continuous air and water tight layer, all overlaps in the membrane must be sealed with ProctorWrap SLS Black Label tape.

### Horizontal Overlaps & Integrated Tape

Enviroseal ProctorWrap BL-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 Enviroseal ProctorWrap BL.

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

Begin joining horizontal seams by removing a short length of both release liners. Line up both release liners together so they can be pulled down the wall with one hand. Use the other hand to simultaneously apply pressure and smooth the two layers as the release paper is removed. *Be sure to remove the entire release liner particularly where it has been penetrated by a fixing.*

### Vertical Overlaps

Vertical laps, where required, should be staggered wherever possible, should overlap by one full stud spacing and be taped with both a double sided tape and single sided ProctorWrap SLS Black Label Tape.

### Penetrations

Any penetrations through the membrane, such as a batten or top hat should be made through a butyl tape, EPDM foam, gasket or durable sealant that if exposed to UV has sufficient long term UV durability.

At penetrations, such as vent pipes, the use of ProctorWrap SLS Flexi Tape is recommended with an additional piece of Enviroseal ProctorWrap BL-IT fixed around the penetration and taped into position with ProctorWrap SLS Black Label tape, to channel water away from the opening. With penetrations such as pipes and cables, movement must be restricted.

### Windows

Run Enviroseal ProctorWrap BL-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 complete water tight seal is achieved with ProctorWrap SLS Black Label tape. At corners ProctorWrap SLS Flexi Tape provides an excellent seal but must be then covered with a UV resistant flashing or tape where exposed. Further advice on accessories and suitable tape specifications for specific applications is available from CSR Bradford Construction Fabrics.

### UV Resistance

Enviroseal ProctorWrap BL-IT is suitable for installation in vertical wall constructions as a wind barrier for ventilated facades with regularly spaced open joints no greater than 50mm wide which account for no more than 30% of the total surface area.

To ensure maximum long term UV durability, ensure that Enviroseal ProctorWrap BL-IT is covered up by the primary cladding material as soon as possible, and **not left exposed to UV for longer than 4 months.**

The wall (facade) covering has to be ventilated according to the façade manufacturer's installation instructions but a ventilation gap (min.40mm) is necessary.

Long term UV resistance is dependent on the percentage of the cladding that is open, the size of openings, and the width of the cavity. Please contact CSR Bradford Construction Fabrics to seek assurances on the suitability of Enviroseal ProctorWrap BL for the particular application.

### Delivery, Storage and Site Handling Requirements

Rolls of Enviroseal ProctorWrap BL-IT are delivered to site, individually wrapped in a transparent polyethylene sleeve. An Enviroseal ProctorWrap BL-IT 'User Guide' is included with each roll. Rolls may be stored flat or upright on a clean, level surface and kept under cover.

### Durability

Although Enviroseal ProctorWrap BL-IT can be used as temporary protection during construction, it can not be used as an exposed 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 of the cladding.

### Condensation Risk

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

For further information on the risks of condensation please refer to the Australian Building Codes Board Handbook, "Condensation in Buildings."

## Enviroseal ProctorWrap Black Label with Integrated Tape (BL-IT)

### Product Description

Light\* Duty vapour permeable wall wrap for use behind open joint wall facades.

**Product Code: 106703**

### Roll Specification

Width:	1500mm
Length:	50m
Area:	75m <sup>2</sup>
Colour:	Black unprinted (exterior face) Dark grey (interior face)

### Classifications in accordance with AS/NZS 4200.1:

DUTY:	Light*
EMITTANCE:	Non-reflective
WATER BARRIER:	High
FLAMMABILITY INDEX:	Low**

\* Enviroseal ProctorWrap BL-IT is classified as light duty in accordance with the value specified for bursting strength and therefore does not meet the *deemed-to-satisfy* provisions for use in roof applications.

\*\* Testing to AS1530.2. has only been conducted on sections of material without integrated tape.

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	<input type="checkbox"/> Tensile strength and elongation
Tear	<input type="checkbox"/> Water resistance
Dimensional stability	<input type="checkbox"/> Water vapour transmission
Reaction to fire	<input type="checkbox"/> Properties after artificial ageing

### Occupational Health and Safety

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

Enviroseal ProctorWrap BL-IT is not designed for fall prevention and is not intended to support a person's weight, or to be walked upon unless supported.

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

There is a risk that fire can spread if the material is accidentally ignited during maintenance works, eg. by a roofer's or plumber's torch. As with all types of sarking material, care should be taken during building and maintenance works to avoid the material being ignited.