

Application of ME322 & ME508 to Form Internal Perimeter Window Seal

INSTALLATION GUIDANCE

Using illbruck ME322 Internal Tape & ME508 Duo Window Membrane to form internal perimeter window seal

ME322:

ME322 Internal Tape is a fully self-adhesive backed PE foil-faced tape and it provides an airtight and vapour tight internal perimeter seal to windows and doors.

ME508:

ME508 Duo Window Membrane is a non-woven fleece laminate with self-adhesive and is part of the intelligent membrane range. ME508 can be used to provide air and weather tightness to window connection joints internally or externally.

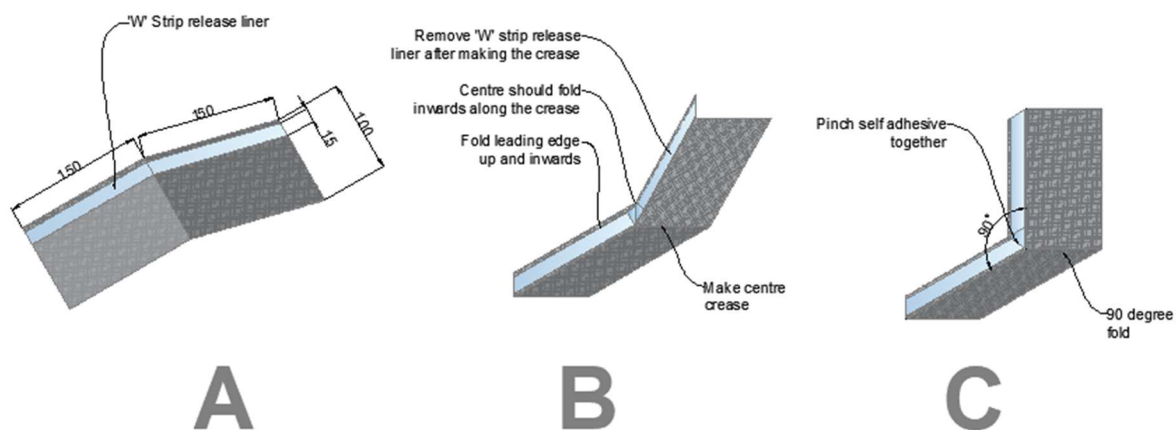
Tools and Accessories:

- Sharp retractable bladed knife and /or illbruck cutting shears
- Illbruck AT140 Primer for Porous Surfaces
- 2" disposable paint brushes for AT140 Primer application
- Pots for decanting AT140 Primer
- Stout seam roller

Before commencing work:

Ensure the working area is dry and free from dust, debris and other obstructions including other trades.

Step 1:



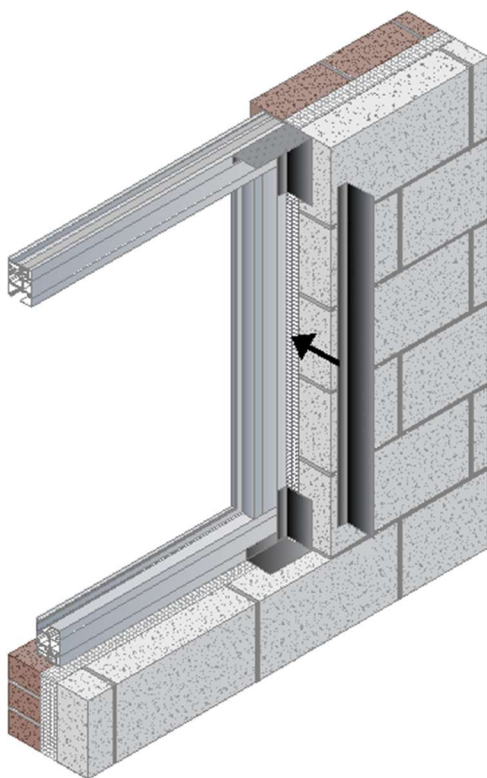
1. Cut and shape the membrane corners.

Stage A - Cut 4 No lengths of membrane 300 mm long. Fold the two ends of each piece together and make a crease down the centre. Apply pressure along the fold with a seam roller to define the crease. Note – for the ME508 - the textured side should be facing upwards with the 'W' self-adhesive strip visible.

Stage B - Open up the folded and creased lengths and re-fold pinching the centre of the self-adhesive strip inwards to make further creases to enable a 90-degree L shape. Assign a section of each corner and dry fit the formed corner to check that it comfortably sits tightly in each of the corners. You will need to invert the top corner sections ensuring that the 'E' strip on the membrane face is aligned with the frame.

Stage C - Unfold each length once again and remove the 'W' strip. Reform the 90 degree 'L' shape and pinch the now active 'W' self-adhesive strip to connect and hold the profile at 90 degrees.

Step 2A: (Direct fix window frames)



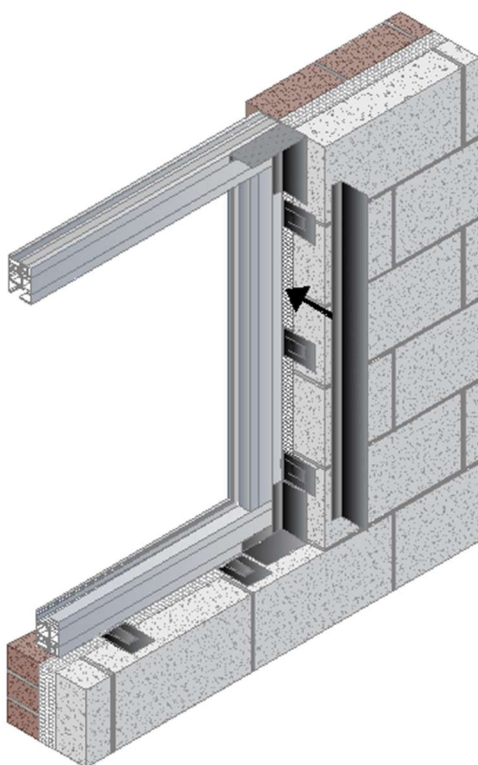
Membrane corners installed prior to lateral membrane runs.



Lateral membrane runs installed overlapping corners.

1. Self-adhere the preformed corner sections to sill, jambs and head. Ensure the corner sections sit flush at 90 degrees. The leading edge 'E' self-adhesive strip is removed and a 20 mm connection to the face of the frame is required. Remove the main release liner and adhere to the reveals. Once adhered, apply pressure, and consolidate in place with a seam roller.
2. Cut lateral membrane runs long enough to lap 50 mm on to the preformed corners.
3. Apply lateral runs to all four sides, starting with the sill, followed by the jambs, with the head section applied last.
4. Consolidate bond to membrane applied to solid surfaces by applying pressure with a seam roller.

Step 2B: (Windows fixed on straps or lugs)



Membrane corners installed first followed by membrane patches.



Lateral membrane runs applied overlapping corners and patches.

1. Apply all four preformed corners first as described in Step 2A.
2. Cut membrane patches minimum 70 mm wide x length sufficient to cover tails of the fixing straps plus a 25 mm minimum bond to the masonry.
3. Apply the patches over the fixing straps and consolidate bond to membrane applied to solid surfaces by applying pressure with a seam roller.
4. Cut lateral membrane runs long enough to lap 50 mm on to preformed corners and apply lateral runs to all four sides, starting with the sill, followed by the jambs, with the head section applied last.
5. Consolidate bond to membrane applied to solid surfaces and membrane patch overlaps by applying pressure with a seam roller.

Please note:

1. The trailing edge of the ME322 or ME508 membrane bonded to the internal masonry should not exceed 50% coverage of the available reveal depth. Where possible, use the narrowest width in order to gain the required minimum 20 mm bond to the window frame and 50 mm bond to the masonry reveal.
2. ME322 and ME508 should be applied flat to the solid surface and free from bubbles and wrinkles. Pressure should be applied with a stout seam roller to consolidate the bond between the backing adhesive and masonry substrate.
3. Unevenly applied or badly distorted membranes should be replaced with a fresh application.
4. If difficulty in gaining adhesion is experienced, brush applied illbruck Primer AT140 should be used to treat the local bonding zone. Only apply one thin coat where needed, do not cover the entire surface of the reveal.

Your installation is now complete.

Support

Here at Tremco CPG UK Ltd, we have technical experts and field support teams who can help you – from specification to application, we're on hand.

If you're looking for more information about fire rated membranes, or how to pick the right membrane for your application, please contact our team: **hello@tremcocpg.com**.

Tremco CPG UK Limited,
Hindley Green, Wigan WN2 4HT
T. +44 (0) 1942 251 400
hello@tremcocpg.com
www.tremcocpg.eu

Information contained in this document conforms to the standard illbruck method of installation as of the date of publication of this document and is presented for guidance only and in good faith. Tremco CPG UK Ltd. assumes no liability, expressed or implied, as to the architecture, engineering, or workmanship of any project. To ensure that you are using the latest, most complete information, contact Tremco CPG UK Ltd.

Issue 1: 30/04/24