

General

- The main or general purpose of illbruck ME508 Duo EW/F membrane is to provide a continuous primary air and vapour seal around the entire window perimeter between a glazed window and the internal structural opening reveal.
- illbruck ME508 Duo EW/F can be used in solid wall, timber frame, traditional brick and block cavity wall reveals. Various widths are available.

Preparation

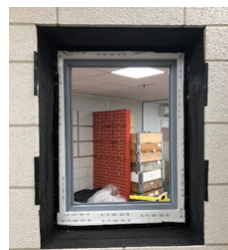
- All surfaces should be clean, dry, dust, grease and debris free.
- illbruck ME508 should be bonded directly to the frame substrate and not to any protection tape.
- In cold weather (below 5°C) the use of an illbruck Primer such as AT140 may be required.

Recommended Application Sequence: (ME508 applied in “W” format)

illbruck ME508 Duo EW/F is supplied in a dual format for convenience:

- “E” format is applied to the internal face of the glazed unit using the single self-adhesive strip 20 mm wide situated on the fully self-adhesive backed face of the membrane. This method statement does not deal with “E” format applications.
- “W” format utilises the 20 mm self-adhesive strip on the front (printed) face of the membrane which is pre-adhered to the window frame perimeter prior to the window being plumbed and fixed into the opening. The “W” format is the subject of this method statement.

1. Place the window horizontally on trestles or similar.
2. Starting at the centre of the sill length, unwind the ME508 gradually from the roll and bond the 20 mm wide self-adhesive strip on the printed face to a suitable position on the underside of the sill and frame edge of the head/jamb in order to achieve a suitable bond area in recognition of the membrane width and location in relation to the width selected.
3. At each corner, form an approximate 20 mm fold with the membrane being pinched together and bonded to itself, then continue and repeat at the next corner until returning to the starting position and allow a 50 mm overlap of the membrane onto itself (leave loose at this stage).
4. Apply fixing brackets in the appropriate positions across the membrane.
5. Locate the window in the opening and fix as normal to the reveal.
6. Peel the narrow and adjacent wider release liners from the reverse (non-printed) side of the membrane in short lengths and place the membrane against the reveal. (Widths of ME508 Duo EW/F above 100 mm wide have three release liners in total on the fully backed face; the 100 mm and 70 mm version have two only). Continue working in increments, smoothing the membrane with the palm of the hand and ensuring that it is bonded smoothly without wrinkles or bubbles. Where applicable, remove the third liner. Once satisfied that the application is satisfactory, use an illbruck seam roller to consolidate the bond.
7. Ensure that where the membrane is bonded at each corner, this is tight against both edges at 90° with no gaps where air leakage could occur.
8. Once completed, the membrane seal should be continuous and without gaps in the corners. If any gaps remain or the fixing lugs are not fully covered – cut small patches to size and overlap any areas that remain unsealed to maintain continuity. If it is not possible to complete this with the patching method, use illbruck SP525 Frame & Façade Sealant & Adhesive.



Method Statement

General Advice

ME508 Duo EW/F fully self-adhesive membrane in “W” format

- Applied as a primary internal window perimeter air and vapour seal



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