

C/SfB	(31)	Ln6
CAW P10		
Uniclass L6631:P91		

## Description

ME508 is a non-woven fleece laminate which is self adhesive across the full width of the membrane for optimised adhesion and vapour control. The combination of self-adhesives provide options for installing to the window frame edge (W) or face (E), providing air and weather tightness. Part of the intelligent membrane range, ME508 also benefits from humidity variable vapour permeability.

## Colour

Black

## Packaging

Item No.	Roll Length	Roll Width	Rolls/Box
500250	25 m	EW-70	4
500251	25 m	EW-100	3
500252	25 m	EW-140	2
500290	25 m	EW-200	1

Membrane thickness: 0.5 mm

## Technical Information

Property	Test Method	Result
Flammability Class	DIN 4102	B2 (normal flammability)
Water Vapour Permeability	DIN EN ISO12572	sd value 0.4 - 20 m
Water Vapour Resistance Factor ( $\mu$ )	DIN 52615	600 - 40,000
Resistance to Driving Rain	EN 1849-2	600 Pa
Airtightness	EN 1026	<0.1 m <sup>3</sup> /[h.m(da Pa)n]
Compatibility with Construction Materials	DIN 52452	Fulfills requirements
UV Stability		3 months
Length Tolerance	DIN 7715	P3
Width Tolerance		± 2.5 mm
Service Temperature		-40°C to +80°C
Application Temperature		-5°C to +40°C
Storage		Store in shaded, dry conditions
Shelf Life		24 months when stored as recommended in original unopened packaging

\*The laminated self-adhesive is at a distance from the edge from 1 to 6 mm

\*\* depending on the application temperature or on highly absorbent surfaces, ME902 or ME904 primer can be used to improve adhesion and optimise usage

## Preparation

- The bonding surfaces must be dry, free of oil, grease, dust and other anti-adhesive components. For guaranteed adhesion it is advisable to use illbruck ME902 primer (note the flash-off time). Similarly, in slightly damp conditions, use ME904 primer.
- Bonding in 'E' format (Fig. 1):- peel off the protective split liner of the self-adhesive on the side of the membrane facing the frame, allowing some slack in the membrane retained within the joint.



## ME508

### Duo Membrane EW/F

#### Usage / Purpose

- Used for sealing window connection joints, particularly where wet plaster will be applied.
- Strong and reliable self-adhesive, allowing bonding to virtually any substrate (eg masonry, concrete, PVC, metal, wood, and all usual insulation materials (EPS, XPS, PUR rigid foam), making application fast and simple.
- Suitable for internal and external use due to variable sd, however, ideally used internally as an airtight seal in combination with ME501 Duo Window Membrane HD as an external weathertight seal.
- Complies with the "inside tighter than outside" principle in order to facilitate moisture and vapour control.

#### Key Benefits

- Quick and easy application with split release liner
- Intelligent membrane and adhesive allows for perfect moisture control inside or out
- Suitable for retrofit
- Initial repositioning possible, bond strength increases over time
- Airtight
- No loose membrane, can be directly plastered to without cracking

## Duo Membrane EW/F

- Bonding in 'W' format (Fig. 2):- peel off the liner from the narrow self-adhesive and bond to the outer edge of the window frame in a suitable location (to flat profile rather than across profile 'legs'). Must be applied to the window prior to installation.

### Processing

#### Attachment to the Window:

- Using 'E' format, the window should be installed first. Remove the narrow part of the split liner from the full self-adhesive backing on the reverse (non-printed) face of the membrane and locate the membrane against the internal face of the window with a minimum of 10 mm contact all round. It is possible to apply in a continuous length by folding the membrane back on itself at the corners or alternatively, apply four separate strips allowing a 50 mm overlap at each corner and at the start/end sections. Consolidate the bond using a seam roller.
- Using 'W' format, prior to the window being installed, remove the release liner from the narrow self-adhesive on the printed face of the membrane and locate onto the outside edge of the frame in a suitable location (to flat profile rather than across profile 'legs'). Apply a continuous length around all four sides of the frame. At each corner, allow an extra 20 mm forming a 'loop' and folding the membrane and bonding to itself. When the end section meets the start, allow a 50mm overlap. Once the membrane is applied, connect any fixing brackets as necessary over the membrane.

#### Attachment to the Structure:

- Ensure that the window reveal is in a sound condition, free from loose material, dirt, dust and any anti-adhesive contamination. If necessary (depending on surface condition, ambient temperature or dampness) prime the substrate with ME902 or ME904 primer. Remove the larger split liner from the reverse face of the membrane and locate against the reveal, taking care to avoid creases in the membrane and gaps in the corners (relocate the membrane if necessary). Consolidate the bond using a seam roller. Any small gaps/holes in the corner or around fixing brackets should be sealed with SP525 Frame & Façade Sealant & Adhesive.
- If necessary, the membrane can be plastered or painted over after 48 hours. It is recommended to carry out a small trial application with specific materials before proceeding further.

- In order to provide thermal insulation within the perimeter joint and avoid cold bridging, apply illbruck FM330 Pro Foam Airseal into the joint and allow to cure before bonding ME508 to the structure.

### Please Note

Ensure all self-adhesive is fully bonded to the window and structure, and consolidated using a seam roller. Do not apply ME508 in continuous lengths exceeding 12 m (if necessary create overlap joints of 50 mm). Take care not to create longitudinal stress during application (avoid stretching along the length). When creating vertical overlaps, bond the upper membrane length onto the lower.

### i3 Warranty

Part of the state of the art, ift-approved sealing system, with a 15 year guarantee.\* This system fulfills the EnEV requirements with regards to airtightness.

\*Under the conditions specified by the manufacturers. Only valid on receipt of the correct registration documents in accordance with terms and conditions, available on request.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.

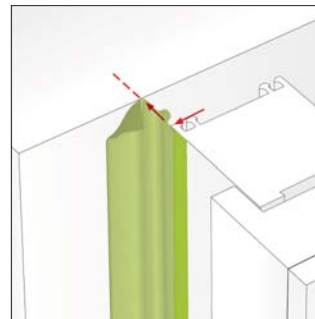


Fig. 1

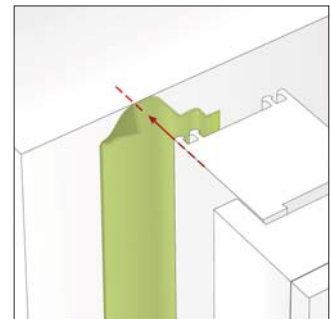


Fig. 2

#### Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

#### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco

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**tremco illbruck Limited**  
Coupland Road, Hindley Green  
WN2 4HT Wigan  
United Kingdom  
T: +44 1942 251400  
F: +44 1942 251410

sales.uk@tremco-illbruck.com  
www.tremco-illbruck.co.uk