

### Description

ME011 is a special monolithic functional membrane covered with two layers of non-woven water-repellent polyester.

### Colour

Black

### Packaging

Item No.	Roll Width (m)	Roll Length (m)	Rolls/Box
398873	1.5	50	1

### Technical Information

Property	Standards	Result
Grammage		~ 120 g/m <sup>2</sup>
Thickness	EN 1849-2	~ 0.4 mm
Dimensional Accuracy	EN 1107-2	< 1%
Reaction to Fire	EN 13501-1	Class E
Resistance to Water Penetration	EN 1928 EN 13859-1/-2	W1
After Ageing	EN 1297/1296	W1
Maximum Tensile Strength - Lengthwise/ Crosswise	DIN 12311-1	~ 320/210 N ± 20%
After Ageing	EN 1297/1296	> 75 % of value as new
Elongation of Break - Lengthwise/Crosswise	EN 12311-1	~ 30/35%
After Ageing	EN 1297/1296	> 75 % of value as new
Tear Growth Resistance / Nail Shank	EN 12310-1	~ 120/130 N ± 20%
Vapour Diffusion - Equivalent Air Layer Thickness	EN ISO 12572	Sd-value: Approx. 0.15 m
Air Permeability	EN 12114	~ 0.1 m <sup>3</sup> /m <sup>2</sup> .h.50 Pa
Service Temperature	EN 13859-1	-40°C to +120°C
Flexural Behaviour in Cold Conditions	EN 1109	< -20°C
Durability for Water Vapour Permeability	EN 1296	Passed
UV Resistance		6 months
Storage	Store in shaded, dry conditions and avoid stacking pallets	
Shelf Life	1 year when stored as recommended in original unopened packaging	

### Application

- Apply the membrane horizontally, starting from the bottom to ensure natural water run-off, fixing each sheet with staples or SP525 adhesive to the sheathing board or other substrate.
- When applying the membrane from the roll, to achieve maximum UV stability, the outer face of the membrane must be orientated towards the structure. This protects this softer fleece side (from which small, loose fibres may be discernible) from UV exposure, and ensures the slightly smoother face is the one exposed to UV light.



## ME011

### Breather Membrane UV

#### Usage / Purpose

This breather membrane can be directly laid on sheathing board or thermal insulation behind partially open rain screen façades or curtain walling with up to 30 mm wide open joints. The open joints should represent a maximum of 40% of the overall façade area i.e. for a 30 mm gap width, the panels/ slats should be a minimum width of 45 mm each. The membrane is made of a special, monolithic functional membrane covered with two layers of non-woven water-repellent polyester.

#### Key Benefits

- UV resistant – 6 months UV stable
- Can be used within partially open façades
- Non-branded, plain black finish  
- suitable for visible applications
- Wide range of in-service temperature resistance
- Highly vapour open
- Air-tight and weather-tight
- Permanently UV stable in open joints between cladding and window frame

- For fixing (mechanical or bonding), a supporting area of minimum 30 mm is required.
- For correct joint formation a minimum overlap of 100 mm is required. If not using self-adhesive, seal the overlap with SP525, OT301, ME315 or ME316 tape for a wind tight connection.
- Mechanical damage, penetrations or connections should be sealed with SP525, SP925, OT301, ME315 or ME316 depending on the application. If unsure, please contact tremco-illbruck for advice.
- For a typical installation it is likely that ME011 breather membrane will be lapped over the external window sealing membrane (such as ME501), and similarly overlaps should be sealed using the above options. In some circumstances; however, it is perfectly acceptable to seal the window membrane to ME011.
- When likely to be exposed to weather for an extended period of time, it is recommended that the membrane is adhered around the full perimeter. This prevents damage due to ingress of wind behind the membrane. It is also beneficial to apply dabs of adhesive at approximately 500 mm centres across the surface area to aid membrane stability.
- In combination with an interior vapour barrier with sd value > 2 m (e.g. illbruck ME003), a condensation risk analysis will not be necessary.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.

#### Technical Service

Tremco CPG UK Limited 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 CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in

accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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