

Description

ME009 is a breathable membrane made from non-woven water-repellent polypropylene with a special UV coating.

Colour

Black

Packaging

| Item No. | Roll Width | Roll Length | Rolls/Box |
|----------|------------|-------------|-----------|
| 502967 | 3.2 m | 50 m | 1 |

Technical Information

| Property | Standards | Result |
|--------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------|
| Grammage | EN 1849-2 | ~ 90 g/m ² |
| Thickness | EN 1849-2 | ~ 0.3 mm |
| Dimesional 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 | ~ 170/140 N ± 20% |
| After Ageing | EN 1297/1296 | >75 % of value as new |
| Elongation of Break - Lengthwise/Crosswise | EN 12311-1 | ~ 40/50% |
| After Ageing | EN 1297/1296 | >75 % of value as new |
| Tear Growth Resistance / Nail Shank | EN 12310-1 | ~ 80/90 N ± 20% |
| Vapour Difusion - Equivalent Air Layer Thickness | EN ISO 12572 | Sd-value: Approx. 0.02 m |
| Air Permeability | EN 12114 | ~ 0.1 m ³ /m ² .h.50 Pa |
| Service Temperature | EN 13859-1 | -40°C to +100°C |
| Flexural Behaviour in Cold Conditions | EN 1109 | <-20°C |
| UV Resistance | | 12 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 to the sheathing board or other substrate.
- When applying the membrane from the roll, to achieve maximum UV stability, the outer "white" face of the membrane must be orientated towards the structure, leaving the black face exposed to UV light.
- For fixing, a supporting area of minimum 40 mm is required.
- For correct joint formation, a minimum overlap of 100 mm is required. Seal the overlap with ME315 or ME316 tape for a wind tight connection.
- Mechanical damage, penetrations or connections should be sealed with ME315 or ME316 depending on the application. If unsure, please contact Tremco CPG UK for advice.



ME009

Breather Membrane UV Wide Format

Usage / Purpose

ME009 is a highly breathable construction membrane that provides an effective waterproof layer for building façades. It is designed in a wide format making it ideal for use in the modular construction industry.

Key Benefits

- Wide format- ideal for modular construction
- UV resistant – 12 months UV stable
- W1 rating for resistance to water penetration
- Non-branded, plain black finish - suitable for visible applications
- Wide range of in-service temperature resistance
- Highly vapour open
- Air-tight and weather-tight



Breather Membrane UV - Wide Format

- For a typical installation it is likely that ME009 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 ME009.
- When likely to be exposed to weather for a prolonged period of time, in order to prevent damage due to wind ingress behind the membrane, it is recommended that ME009 is secured at the perimeter using ME315 or ME316. The membrane should also be stapled at approximately 500mm centres and the staples sealed with ME315/316. Alternatively, fixings utilising washers can be used.
- Please note, due to the nature of the membrane surface, it is not possible to use SP525 or SP025 as with other illbruck breather membranes.
- 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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