

## Technical Data Sheet

# ME013

## FR Breather Membrane HD BLACK (PA)

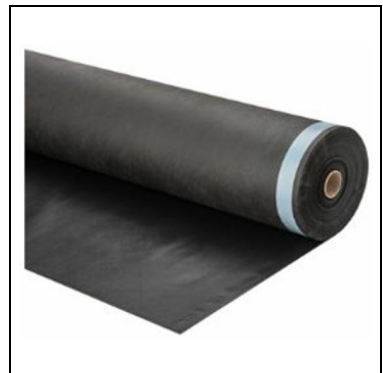
*Class B, W1 Façade Membrane*

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### Description

FR Breather Membrane HD Black (ME013), is a vapour permeable, high strength polyester, airtight and watertight breathable membrane used as a traditional full façade breather membrane. It is Class B in accordance with EN 13501-1 and water resistant to Class W1 in accordance with EN 13859-2. The membrane is supplied with integral adhesive strips at the top and bottom of the roll, which are used to seal horizontal overlap joints without the requirement for an additional sealing tape.

FR Breather Membrane HD Black (ME013) meets the fire performance requirements for membranes installed on “relevant and higher risk” building types as defined in Approved Document B of the Building Regulations for England and Wales.



### Features and Benefits

- Class B-s1, d0 to EN 13501-1
- Permanently UV-resistant
- Water resistant to Class W1 and resistant to wind driven rain.
- Highly breathable with an Sd value of < 0.12 m
- Airtight and can achieve Passiv Haus standards.
- High range of in-service temperature resistance
- Integral self adhesive strips

### Packaging

Available on rolls of 1.5 m x 50 m

### Available Colour

Black

### Technical Characteristics

Grammage	EN 1849-2	Nominal 210 g/m <sup>2</sup>
Thickness	EN 1849-2	Nominal 0.4 mm
Dimensional Stability	EN 1107-2	< 1%
Fire Classification	EN 13501-1	Class B-s1, d0
Resistance To Water Penetration	EN 1928 (EN 13859-2)	Class W1
Tear Resistance	EN 12310-1	Longitudinal > 120 N Transverse > 120 N
Water Vapour Resistance	EN ISO 12572	< 0.60 MNs/g
Water Vapour Transmission	EN ISO 12572	Sd < 0.12 m
Air Permeability	EN 12114	≤ 0.1 m <sup>3</sup> /m <sup>2</sup> .h@50 Pa
UV Resistance	EN 1296/97	Exposed - 12 months Covered - Permanent (including open joints to max. 50 mm).
Application Temperature		+5°C to +30°C
Flexural Behaviour In Cold Conditions	EN 1109	-40°C

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Tensile Strength	EN 12311-1	Longitudinal: > 300 N/50 mm Transverse: > 200 N/50 mm > 75% (after ageing)
Elongation	EN 12311-1	Longitudinal: < 25% Transverse: < 25%
Service Temperature		-40°C to +150°C
Storage		Store in shaded dry conditions between +5°C and 25°C, away from direct exposure to weather. Avoid stacking pallets.
Shelf Life		12 months when stored as recommended in original unopened packaging.

### Application

The instructions below are not intended to be comprehensive and should be read in conjunction with Tremco CPG UK method statements and the FR Breather Membrane with Self Adhesive Strips installation guide available from our website.

FR Breather Membrane HD Black (ME013) is applied directly from the roll, with the application usually starting from the lower floors of the construction with the subsequent layers overlapping one another horizontally by the specified 100 mm using the pre-applied adhesive strips. Vertical joints should overlap by 150mm.

Vertical overlaps & joints should be sealed using the illbruck ME316 Endurance Tape. Connections to windows and doors to make them watertight and airtight should be treated separately.

Please consult a member of the Tremco CPG UK technical team for specific solutions in these areas.

### Guarantee / Warranty

Tremco CPG UK Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Ltd written instructions and (b) in any application recommended by Tremco CPG UK Ltd, but which is proved to be defective, will be replaced free of charge.

Tremco CPG UK Ltd shall not be held liable for any direct, indirect, incidental, special, or consequential damages arising out of or in connection with the use of the guidance/recommendations provided.

Tremco CPG UK Ltd reserves the right to modify or discontinue any recommendations at any time without prior notice.

### Health And Safety Precautions

Safety data sheet must be read and understood before use.

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#### 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.



Tremco CPG UK Limited  
Coupland Road, Hindley  
Green  
Wigan, WN2 4HT  
United Kingdom  
+44 (0)1942 251400  
hello@tremcocpg.com