

Technical Data Sheet

ME024

FR Breather Membrane HD BLACK SA

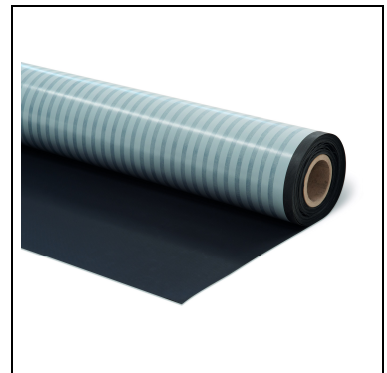
Class B, W1 Façade Membrane

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Description

FR Breather Membrane HD Black SA (ME024), is a fully self adhesive, 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 fully self adhesive backing is used to seal both the horizontal and vertical overlap joints without the requirement for an additional sealing tape.

FR Breather Membrane HD Black SA (ME024) 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

- Full self adhesive for fast and easy application
- 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
- No requirement for separate overlap tape or additional fixings

Packaging

Available on rolls of 1.5 m x 25 m

Available Colour

Black

Technical Characteristics

Grammage	EN 1849-2	Nominal 255 g/m ² (with adhesive)
Thickness	EN 1849-2	Nominal 0.45 mm (with Adhesive)
Dimensional Stability	EN 1107-2	< 1%
Fire Classification	EN 13501-1	Class B-s1, d0 when installed directly to building materials with a fire classification of A1 or A2-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 ³ /m ² .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

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Flexural Behaviour In Cold Conditions	EN 1109	-40°C
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.

Preparation

Ensure surfaces are clean, dry, free from oil, grease, dust, debris and any other contaminants that may affect adhesion. To maximise the adhesive bond we recommend priming the substrate with a compatible illbruck primer.

Application

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

FR Breather Membrane HD Black SA (ME024) 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 and 150 mm vertically using the self-adhesive backing. Remove the backing liner and bond the membrane directly to the substrate, consolidate the bond and joints using a stout seam roller once the membrane is in place.

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 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.