

Technical Data Sheet

ME050

FR Breather Membrane (ALU)

Class A2, W1 Façade Membrane

28-08-2024 / V 15

Description

ME050 FR Breather Membrane (ALU) is a reflective breather membrane which is Class A2-s1, d0 in accordance with EN 13501-1 and water resistant to Class W1 in accordance with EN 13859-2. The membrane is supplied with integrated adhesive strips at the top and bottom of the roll, which are used to seal horizontal overlap joints without the requirement for an additional seal tape.

FR Breather Membrane (ALU) ME050 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 A2-s1, d0 to EN 13501-1
- UV resistant for 9 months fully exposed and permanent when covered (including open joints max. 50 mm)
- Wind and driving rain resistant
- Highly breathable with an Sd value of < 0.12 m
- Highly airtight - Passiv Haus standards can be achieved
- High temperature resistance
- Class W1 water resistance
- Integrated self adhesive strips

Packaging

Supplied on rolls of 1.2 m x 35 m

Available Colour

Silver

Technical Characteristics

Grammage	EN 1849-2	Nominal 430 g/m ²
Thickness	EN 1849-2	Nominal 0.43 mm
Dimensional Stability	EN 1107-2	< 0.10 %
Resistance To Waterpenetration	EN 1928 (EN 13859-2)	Class W1
Fire Classification	EN 13501-1	A2-s1, d0
Tear Resistance	EN 12310-1	Longitudinal: > 400 N Transverse: > 300 N
Water Vapour Resistance	EN 12572	< 0.60 MNs/g
Water Vapour Transmission	EN 12572	Sd < 0.12 m
Air Permeability	EN 12114	≤ 0.1 m ³ /m ² .h@50 Pa
Uv Resistance	EN 1296/97	Exposed - 9 months Covered - Permanent (including open joints max. 50 mm)

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Application Temperature		+5°C to +30°C
Flexural Behaviour In Cold Conditions	EN 1109	-40°C
Tensile Strength	EN 12311-1	Longitudinal: > 2,600 N/50 mm Transverse: > 1,900 N/50 mm > 75% (after ageing)
Elongation	EN 12311-1	Longitudinal: < 8% Transverse: < 6%
Service Temperature		-40°C to +90°C
Storage		Store in shaded dry conditions between +10°C and 25°C, away from direct exposure to weather. Avoid stacking pallets.
Shelf Life (Dry Room And Unopened)		24 months when stored as recommended in original unopened packaging.
Material		Micro-perforated aluminium foil, functional film, glass fibre fabric, integrated adhesive tape

Application

These instructions 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.

ME050 FR Breather Membrane (ALU) 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 by the specified 100 mm horizontally using the pre-applied adhesive strips. Vertical joints should overlap by 150mm.

Vertical overlaps & joints should be sealed using the illbruck ME355 FR Sealing Tape (ALU). 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. 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.

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.



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