

Technical Data Sheet

ME060

FR AVCL

Class A1 Air and Vapour Control Membrane

28-08-2024 / V 1

Description

ME060 FR AVCL is a laminated, aluminium foil faced glass fibre reinforced, air and vapour control membrane with a reaction to fire Class A1 in accordance with EN 13501-1. ME060 FR AVCL is used on the interior side of lightweight steel and timber frame constructions to provide an air and vapour tight layer to control the passage of air and moisture.

ME060 FR AVCL is highly suited to construction projects designated as "relevant buildings" as defined in Approved Document B of the Building Regulations for England and Wales.



Features and Benefits

- Class A1 to EN 13501-1.
- Air and vapour tight, can be used to comply with Passiv Haus standards.
- 95% heat reflection. Provides significantly improved energy efficiency.
- Suitable for use with ME355 FR Sealing Tape to achieve a full interior membrane system - achieving Class A2-s1, d0.
- Durability - Aluminium, glass fibre reinforced membrane ensures long lasting strength and durability.

Packaging

ME060 is supplied in logs of 1.2 m x 50 m

Technical Characteristics

Grammage	EN 1849-2	Nominal 140 g/m ²
Thickness	EN 1849-2	Nominal 0.1 mm
Resistance To Waterpenetration	EN 1928 (EN 13984)	Pass
Fire Classification	EN13501-1	Class A1 Class A2-s1, d0 with ME355 sealing the overlaps
Tear Resistance	EN 12310-1	Longitudinal: 150 N Transverse: 150 N
Water Vapour Resistance	EN 1931	> 10,000 MNs/g
Water Vapour Transmission	EN 1931	Sd > 2,000 m
Air Permeability	EN 12114	≤ 0.1 m ³ /m ² .h@50 Pa
Uv Resistance	EN 1296/97	Exposed - 9 Months Covered - Permanent
Application Temperature		+5°C to +30°C
Tensile Strength	EN 12311-1	Longitudinal: > 960 N/50 mm Transverse: > 960 N/50 mm > 75% (after ageing)

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Elongation	EN 12311-1	Longitudinal: < 3% Transverse: < 4%
Service Temperature		-36°C to +180°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.

Application

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

ME060 should be installed in accordance with 'BS 5250: 2021 Management of moisture in buildings. Code of practice'. ME060 should be situated on the warm side of the insulation layer. The following assumes the installation of ME060 to an SFS framed wall installed between concrete floor slabs and columns.

Apply ME060 from the roll ideally vertically, allowing a 50 mm overlap at the top and bottom onto the soffit and floor slab. All horizontal and vertical overlaps should be a minimum 100 mm and sealed using ME355 FR Sealing Tape (Alu).

For sealing window and door interfaces, the ME060 should be turned and bonded into the reveal. The complete perimeter interface with the window (or door) should then be sealed using a compatible illbruck tape or membrane ensuring a minimum 20 mm bond to window frame and 50 mm overlap back onto the ME060.

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.

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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