

Technical Data Sheet

ME055

FR Breather Membrane (White)

Class A1, W2 Façade Membrane

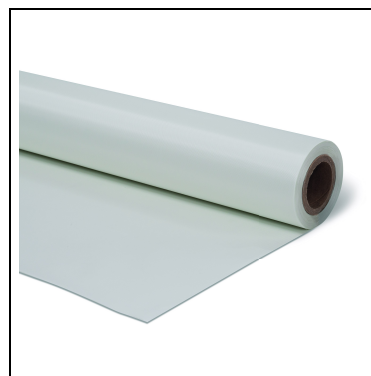
28-05-2025 / V 22

Description

ME055 FR Breather Membrane (White) is a non-combustible and highly vapour permeable breather membrane which is Class A1 in accordance to EN 13501-1 and water resistant to Class W2 in accordance with EN 13859-2.

ME055 FR Breather Membrane (White) 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.

Used as a full façade breather membrane on new build and refurbishment projects, ME055 is highly breathable, UV resistant to 3 months, rain resistant, easy to cut and install.



ME055 is suitable for application within high rise buildings, timber and light weight steel frame constructions, public buildings and off-site construction.

Features and Benefits

- Class A1 to EN 13501-1
- UV-resistant up to 3 months prior to cladding.
- Highly breathable with an Sd value < 0.12 m
- Rain resistant
- High temperature resistance
- Class W2 water resistance

Packaging

Supplied on rolls of 1.5m x 50m

Available Colour

White

Technical Data Sheet

ME055

FR Breather Membrane (White)

Technical Characteristics

Grammage	EN 1849-2	Nominal 210 g/m ²
Thickness	EN 1849-2	Nominal 0.18 mm
Fire Classification	EN 13501-1	<p>Class A1, mechanically fixed direct to any substrate with a minimum fire classification of A2-s1, d0, a minimum thickness ≥ 9 mm and a density ≥ 525 kg/m³. Including horizontal and vertical overlaps sealed with ME356 tape.</p> <p>Class A2-s1, d0, mechanically fixed direct to any insulation with a minimum fire classification of A2-s1, d0, a minimum thickness ≥ 20 mm and a density ≥ 37.5 kg/m³. Including horizontal and vertical overlaps sealed with ME356 tape.</p>
Resistance To Water Penetration	EN 13111	Class W2
Tear Resistance	EN 12310-1	<p>Longitudinal: > 250 N</p> <p>Transverse: > 320 N</p>
Water Vapour Resistance	EN 12572	< 0.60 MNs/g
Water Vapour Transmission	EN 12572	$S_d < 0.12$ m
Air Permeability	EN 12114	$27 \text{ m}^3/\text{m}^2.\text{h}@50\text{Pa}$
UV Resistance	EN 1296/97	3 months prior to cladding.
Application Temperature		+5°C to +30°C
Tensile Strength	EN 12311-1	<p>Longitudinal: $> 1,500$ N/50 mm</p> <p>Transverse: $> 1,000$ N/50 mm</p> <p>$> 75\%$ (after ageing)</p>
Elongation	EN 12311-1	<p>Longitudinal: $< 6\%$</p> <p>Transverse: $< 5\%$</p>
Service Temperature		-36°C to +150°C
Storage		Store in shaded dry conditions between +10°C and 25°C, away from direct exposure to weather. Avoid stacking pallets.
Shelf Life		24 months when stored as recommended in original unopened packaging.
Material		Glass fibre fabric

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 installation guide available from our website.

ME055 FR Breather Membrane (White) 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 and 150 mm vertically.

Vertical and horizontal overlaps & joints should be sealed using the illbruck ME356 FR Sealing Tape (White). 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.

Technical Data Sheet

ME055

FR Breather Membrane (White)

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.