

Technical Data Sheet

## ME055

### FR Breather Membrane (White)

Class A1, W2 Façade Membrane

04-01-2024 / V 19

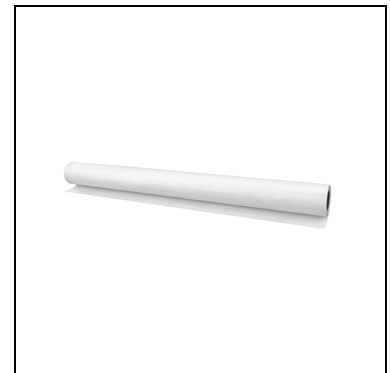
#### Description

ME055 FR Breather Membrane (White) is a non-combustible and highly vapour permeable breather membrane which is 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, water 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 of 0.03 m
- Rain resistant
- High temperature resistance
- W2 water resistance

#### Packaging

Supplied on rolls of 1.5m x 50m

#### Storage

Store away from exposure to direct sunlight and in dry conditions.

#### Shelf Life

1 year when stored as recommended in original unopened packaging.

#### Available Colour

White

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#### Technical Characteristics

Elongation At Break	EN 12311-1	5/4%
Air Tightness	EN 12114	27 m <sup>3</sup> /m <sup>2</sup> .h@50Pa
Material		Glass fibre fabric
Maximum Tensile Strength Lengthwise/Crosswise	EN 12311-1	3500/1800 N/50mm
Reaction To Fire	EN 13501-1	Class A1
Service Temperature		-36°C to +150°C
Tear Resistance	EN 12310-1	350/420
Thickness		0.18 mm
Uv Resistance		3 months prior to cladding.
Water Vapour Permeability (μ)	EN 12572	177
Water Vapour Permeability (Sd)	EN 12572	0.03 m
Water Vapour Resistance	EN 12572	0.15 MNs/g
Weather Resistance	EN 13111	Class W2

#### Preparation

The substrate must be dry, degreased and free of dust and loose particles, which could negatively affect the application of ME055.

#### Application

ME055 FR Façade 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 100mm (and 150mm vertically).

Each ascending layer overlaps and joints should be sealed by 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.

#### 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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#### 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.



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