

COMPLIANT

FR Membrane Solutions

FAÇADE BUILDING PROTECTION

Choosing the right membrane

When selecting façade building membranes for projects across the UK - architects, specifiers and main contractors should take extra precautions to ensure that the correct system is selected.

Regulatory updates to Approved Document B (for England and Wales) which are now in force, mean that any membranes applied to the external walls should achieve a minimum fire classification of B-s3, d0 in accordance with EN 13501-1 for relevant, complex or high risk buildings across England & Wales.

Whilst it is important to remember that membranes are not designed to be fire stopping material or fire breaks and as such are also not currently required to achieve a Class A1 or A2,s1, d0 rating – any membrane installed should meet the requirements of the relevant national Building Regulations.

Our range of fire rated (FR) breathable membranes and vapour control layers allow designers to optimise the weather protection and air tightness confidently using a range of solutions from illbruck, meeting even the most demanding applications where fire safety is critical.

www.illbruck.com



**FIRE
CLASSIFIED**



**BBA
CERTIFIED**



**VAPOUR &
AIR TIGHT**



BREATHABLE



**QUICK
FIXING**



**WEATHER
TIGHT**



**WATER
TIGHT**

Our mission at illbruck

Illbruck, a true construction products manufacturer, offers a range of membranes that exceed current Building Regulations. Ensuring our customers can confidently specify and install fully certified and independently tested systems.

Enquire today!

For over 70 years illbruck has been recognised by building professionals and the construction industry across the UK, Europe and the globe for supplying everything you need for major construction projects to home improvements, from sealing and bonding windows to façades, interiors and exteriors.

Talk to our team:
hello@tremcocpg.com

FR BREATHER MEMBRANE (WHITE)

A1

W2

FR BREATHER MEMBRANE (ALU)








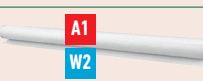

A2-s1, d0

W1

WHERE CAN I USE ILLBRUCK'S FR MEMBRANES

**FAÇADE
BUILDING
PROTECTION**

Our range, their performance and application area's

WINDOW MEMBRANES		FAÇADE BREATHER MEMBRANE		AVCL AIR & VAPOUR CONTROL LAYER		MEMBRANE ACCESSORIES	
FR WINDOW SEALING MEMBRANE (ME010)	 BBA APPROVED SYSTEM CERTIFICATION B-s1,d0 W1	FR BREATHER MEMBRANE BLACK (ME014)	 B-s1,d0 W1	FR AVCL (ME060)	 A2-s1, d0	FR MEMBRANE ADHESIVE TAPE (ME355)	 A2-s1, d0* <small>*When used as part of a system</small>
		FR BREATHER MEMBRANE ALU (ME050)	 A2-s1, d0 W1			FR MEMBRANE ADHESIVE (SP025)	 B-s1,d0
FR WINDOW SEALING BUTYL MEMBARNE (ME480)	 B-s1,d0 W1+	FR BREATHER MEMBRANE WHITE (ME055)	 A1 W2			TOTAL PROTECTION TAPE (ME315)	

Our New Naming Convention

As our brand evolves, so does our naming convention - moving forward you will become more accustomed to our descriptive naming. You will see this through our literature, our websites and the way in which our team communicate. Rest assured, our products are still the same - we have just made the decision to talk in a slightly different way.

FR BREATHER MEMBRANE (WHITE)

ME055

FAÇADE BUILDING PROTECTION

Usage and Purpose

Illbruck's FR Breather Membrane (ALU) 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

- A1 Reaction to Fire Classification
- Permanently UV-resistant behind partly opened facades or 3 months exposure prior to cladding
- W2 water resistance
- Classified as a breather membrane with an Sd value of 0.03m
- Wind and rain resistance
- High temperature resistance

FR Breather Membrane (WHITE) when used as a full façade breather membrane on new build and refurbishment projects, ME055 is highly breathable, UV resistant, water resistant, air/weathertight, easy to cut and install. With an A1 fire classification, ME055 is suitable for application on high rise buildings, open claddings, timber frame construction, public buildings and off-site construction.

Key data

Colour	WHITE
Reaction to Fire	Class A1
Resistance to Water Penetration	Class W2
UV Resistance	3 months prior to cladding
Vapour Diffusion	Sd value ~ 0.03m
Air Permeability	27m ³ /m ² .h.50 Pa



Reaction to Fire Class A System

Our products have been tested together as a system - replicating how they would be applied in the 'real world'. Giving you peace of mind.

FR AVCL

ME060

**FAÇADE
BUILDING
PROTECTION**

Usage and Purpose

ME060 is a laminated, foil faced glass fibre reinforced air and vapour control membrane with a reaction to fire classification of A2-s1, d0 to EN 13501-1.

It can be 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 should be situated on the warm side of the insulation.

A2-s1, d0

- Reaction to Fire Class A2-s1, d0 to EN 13501-1
- Air and vapour tight - can be used to comply with airtightness according to Passiv Haus
- 95% heat reflection. Provides significantly improved energy efficiency
- Durability - Aluminium, glass fibre reinforced membrane ensures long lasting strength
- Internal air and vapour control layer

For sealing windows and door interfaces, the **FR AVCL** is compatible with ME480 and ME322 use to complete the perimeter seal around windows and doors (or similar)

Enquire today!

Key data

Reaction to Fire	Class A2
Resistance to Vapour Penetration	>10,000 MNs/g
Water Vapour Permeability	> 2,000 m
Surface Density	140 g/m ²
Airtightness	0 m ³ /m ² .h@50Pa
Temperature Resistance	-36°C to +180°C

Reaction to Fire Class A2



illbruck's FR AVCL Reaction to Fire classification of A2-s1, d0 to EN 13501-1 making it highly suited to construction projects designated as 'Relevant Buildings'.

illbruck's FR AVCL is a fire classified vapour control layer for the interior of lightweight steel and timber frame constructions.

FR BREATHER MEMBRANE (ALU)

ME050

FAÇADE BUILDING PROTECTION

Usage and Purpose

Illbruck's FR Breather Membrane (ALU) is a non-combustible and reflective breather membrane which is A2-s1, d0 in accordance with EN 13501-1 and water resistant to Class W1 in accordance with EN 13859-2.

- Reaction to Fire Classification A2-s1, d0
- Permanently UV-resistant behind partly opened facades or 9 months exposure prior to cladding
- W1 water resistant
- Classified as a breather membrane with an Sd value of 0.08m
- Wind and driving rain resistant
- High temperature resistant

FR Breather Membrane (ALU) when used as a full façade breather membrane on new build and refurbishment projects, ME050 is highly breathable, UV resistant, water resistant, air/weathertight, easy to cut and install and with an A2-s1, d0 fire classification demonstrating its suitability for application on high rise buildings, open claddings, timber frame construction, public buildings and off-site construction.

Enquire today!

Key data

Colour	ALU (Silver)
Reaction to Fire	Class A2-s1, d0
Resistance to Water Penetration	Class W1
UV Resistance	Permanent
Vapour Diffusion	Sd value ~ 0.08m
Air Permeability	≤ 0.94m ³ /m ² .h@50Pa



Reaction to Fire Class A System

Our products have been tested together as a system - replicating how they would be applied in the 'real world'. Giving you peace of mind.

