

RIGOROUSLY TESTED

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 and façades, interiors and exteriors.

Talk to our team:
hello@tremcocpg.com

B-s1,d0








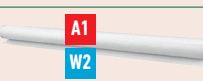

W1



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 APPROVED BY THE BRITISH BUILDING INDUSTRY FEDERATION 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.

CLASS B MEMBRANES

FAÇADE BUILDING PROTECTION RANGE

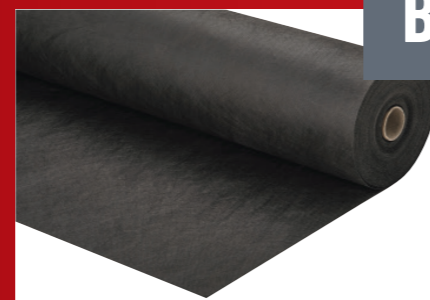
Under the Building Regulations Approved Document B, membranes used as part of the external wall construction above ground level should now achieve a minimum of Class B-s3, d0 to EN 13501-1 'Fire classification of construction products and building elements. Classification using test data from reaction to fire tests.'

The European reaction to fire classification (Euroclass) system is the common EU standard for assessing the performance of building materials when subject to fire. The performance of all illbruck systems is determined by measuring a comprehensive set of characteristics, including ignitability, flame spread, heat release, smoke production and tendency for producing flaming droplets/particles.

A façade building protection range that covers every sealing scenario



**SCAN THE QR
CODE FOR MORE
INFORMATION**

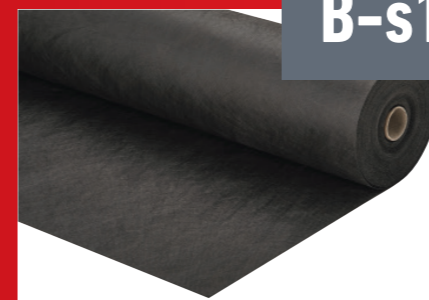


B-s1, d0

W1

FR WINDOW SEALING MEMBRANE

- Class B-s3, d0 or B-s1, d0 when bonded with SP025 Adhesive
- Permanently UV-resistant
- Highly water resistant, exceeds W1
- Air and weathertight
- Multiple widths available
- SKU - ME010



B-s1, d0

W1+

FR BREATHER MEMBRANE (BLACK)

- Reaction to Fire Class B-s3, d0 or B-s1, d0 when bonded with SP025 FR Membrane Adhesive
- Permanently UV-resistant
- Highly water resistant, exceeds W1
- Breather (vapour-open)
- Ideal for open or partially open façades
- Airtight and weathertight
- 75m² (1.5m x 50m)



B-s1, d0

W1

FR SEALING TAPE

- Adheres well to all common building substrates
- Reinforced with glass fabric
- UV Resistant
- Water resistant
- 25m
- SKU - ME355



Illbruck's FR Breather Membrane (Black) is a vapour permeable polyester, airtight and watertight breather membrane used as a traditional façade breather membrane.

Supplied on a 1500mm x 50m log and installed directly over compliant and compatible substrate types, such as thermal insulation and sheathing boards to provide water resistance and UV protection,

weather and airtightness to the built-up wall in closed, open or partially open façades.

When installed as a full façade breather membrane over substrates with a minimum Class A2-s1, d0 fire performance, illbruck's FR Breather Membrane achieves a Class B-s3, d0 in accordance with EN 13501-1 or B-s1, d0 when bonded with our SP025 FR Membrane Adhesive.

**EXPLORE FR BREATHER
MEMBRANE IN MORE
DETAIL**

**REACTION TO FIRE CLASS B-s3, d0 OR
B-s1, d0 WHEN BONDED WITH SP025
FR ADHESIVE**

Illbruck's FR Breather Membrane is easy to apply, fold and manipulate and when installed in line with installation guidance is airtight and can achieve Passiv Haus standards.

FR WINDOW SEALING MEMBRANE

ME010

FAÇADE BUILDING PROTECTION

Usage and Purpose

Illbruck's FR Window Sealing Membrane (ME010) is a permanently UV stable specially coated polyester based, airtight, watertight and vapour permeable membrane that is compliant with the national Building Regulations making it highly suitable for use on 'relevant' buildings.

- Permanently UV-resistant
- Reaction to Fire Class B
- Easy to apply, fold, and manipulate
- Water resistant (Class W1+) and weathertight to wind driven rain
- Highly airtight- Passiv Haus levels of tightness can be achieved
- Breathable (vapour-open)
- High range of in-service temperature resistance
- Environmentally friendly EC1+

FR Window Sealing Membrane is used to seal the external perimeter of glazed units such as windows, doors, and curtain walling- providing a reliable air and water tight but breathable seal to the construction joint between the frame and backing wall. When bonded with illbruck SP025 Fire Membrane Adhesive, the combination has Class B-s1, d0 Reaction to Fire according to EN 13501-1.

Key data

Colour	Black
Reaction to Fire	Class B
Resistance to Water Penetration	Class W1
UV Resistance	Permanent
Water Vapour Permeability (Sd)	Sd value ~ 0.12m
Air Permeability	≤ 0.1 m ³ /m ² .h@50Pa



Reaction to Fire Class B 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.

When bonded to the structure with illbruck SP025 FR Membrane Adhesive, the combination of SP025 & ME010 has Class B-s1, d0 Reaction to Fire according to EN 13501-1.

FR BREATHER MEMBRANE

ME014

**FAÇADE
BUILDING
PROTECTION**

Usage and Purpose

Illbruck's FR Breather Membrane BLACK (ME014) is a permanently UV stable specially coated polyester based, airtight, watertight and vapour permeable membrane that is compliant with the national Building Regulations making it highly suitable for use on 'relevant' buildings.

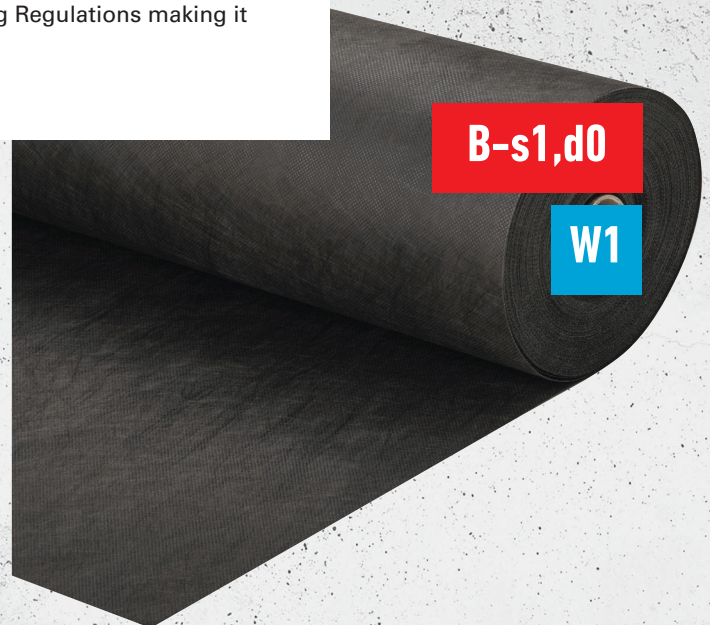
- Reaction to Fire Class B-s3, d0 or B-s1, d0 when bonded with SP025 FR Adhesive
- Permanently UV-resistant
- Highly water resistant, exceeds W1
- Breather (vapour-open)
- Ideal for open or partially open façades
- Airtight and weathertight

FR Breather Membrane (BLACK) provides a monolithic covering supplied on a 1500mm x 50m furled log. Applied directly over thermal insulation or sheathing boards to provide protection to the built up wall layers in a closed, open, or partially open façade. ME010 as a breather membrane has Class B-s3, d0 Reaction to Fire according EN 13501-1 when applied to substrates of at least a Class A2-s1, d0 Reaction to Fire.

Enquire today!

Key data

Colour	Black
Reaction to Fire	Class B
Resistance to Water Penetration	Class W1+
UV Resistance	Permanent
Water Vapour Permeability (Sd)	Sd value ~ 0.04m
Air Permeability	≤ 0.1 m ³ /m ² .h@50Pa



Reaction to Fire Class B 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.