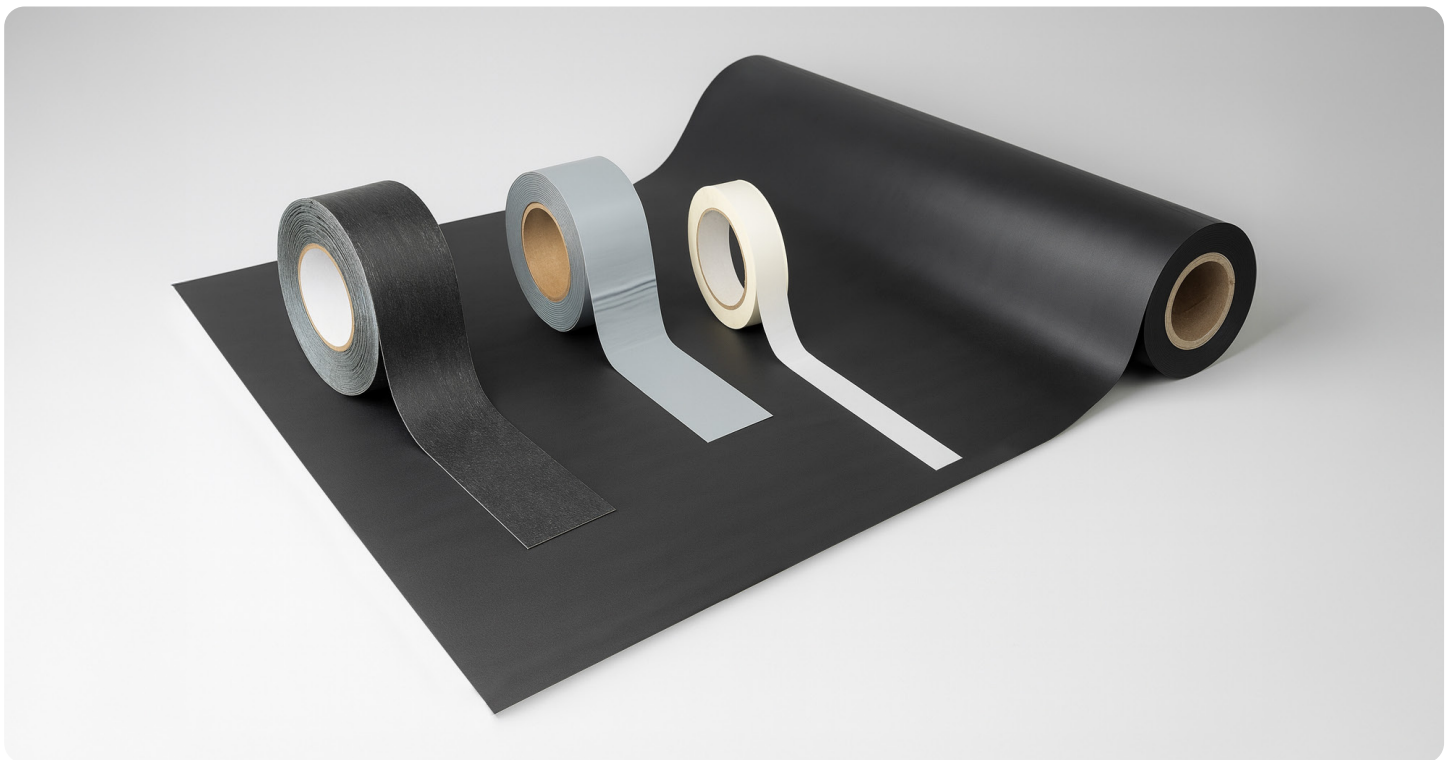


Effisus Breather FR UV

A1 CLASS FIRE RATED WEATHERPROOFING BREATHABLE SOLUTION

Effisus **Breather FR UV** membrane is a high-performance solution designed to protect façades from driving rain, moisture, and wind, preventing insulation damage, mould growth, and corrosion. It is both vapour-permeable and airtight, enhancing energy efficiency and sustainability. With exceptional UV resistance, it is ideal for rainscreen cladding systems with perforated or open joints and is suitable for façades with 100% permanent exposure.



ACCESSORIES · Effisus 2Bond DS · Effisus 2Adjoin DF · Effisus Adjoin TI

Effisus Breather FR UV

Technical data

Essential characteristics	Method	Result
Thickness	-	0,230mm ± 0,20mm
Length	-	50m
Width	-	1,50m
Reaction to Fire	EN 13501-1	Class A1
Resistance to water penetration	EN 13111	W2, pass
Density of vapour flow rate, g (kg)/(m ² .s))	EN 12572	2,2542X10 ⁻⁶
Water vapour transmission properties (sd- value) (m)	EN 12572	0,094
Tensile Strenght MD/CD (N/50mm)	EN 12311-1	4230 (min: 3840; max: 4620)/ 3110 (min: 2735 ; max: 3485)
Elongation at Break MD/CD (%)	EN 12311-1	6,2 (min: 4,2; max: 8,2)/ 5,2 (min: 3,1; max: 7,3)
Nail tear resistance MD/CD (N)	EN 12310-1	295 (min: 220; max: 370)/ 385 (min: 320 ; max: 450)
Flexibility at low temperature (-40°C)	EN 1109	No cracks
Airtightness	EN 12114	0,006 m ³ /(h x m ² x 50Pa)
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat	Elongation ^{a)} (%)	6,2 (min: 4,2; max: 8,2)/ 5,2 (min: 3,1; max: 7,3)
	Tensile Strength ^{a)} (N/50mm)	4240 (min: 3840; max: 4620)/ 3110 (min: 2735; max: 3485)
	Resistance to water penetration ^{b)}	W2, pass
UV Resistance	-	100% Exposure
Temperature service range	-	-40°C to 100°C ^{c)}
Membrane system	EN 13501-1	Class A2-s1,0 ^{d)}

a)
In accordance with Annex C of EN 13859-2 (EN 12311-1).

b)
In accordance with Annex C of EN 13859-2 (EN 1928/EN 13111).

c)
For application below -20°C, please contact Effisus Technical Department for further Assessment.

d)
The fire classification was obtained with Effisus accessories (double side adhesive tapes) tested as a system.

Effisus Breather FR UV System achieved a fire reaction Class A2-s1,d0 as a system with Effisus accessories (single-side adhesive and double-sided adhesive tapes).

Accessories selector

		EFFISUS 2BOND DS (double side tape)	EFFISUS 2ADJOIN DF (double side tape)	EFFISUS ADJOIN TI (adhesive tape)
Membrane Fixing / Positioning	Concrete or similar porous surfaces	*		
	Aluminium Foil (insulation)		*	
	Gypsum Sheathing Board, Calcium Silicate Boards, Cement Basis or similar		*	
Membrane Overlaps		*	*	*
Perimeter Sealing	Concrete or similar porous surfaces	*		
	Aluminium	*		
	Gypsum Sheathing Board, Calcium Silicate Boards, Cement Basis or similar	*		
Perforations Sealing	Pipes	*		*
	Electrical cables	*		*
	Nail/screw	*		*

* Preferred Use

Effisus 2Bond DS



Double-sided self-sealing adhesive tape creating a permanent weatherproofing seal on concrete, aluminum, sheathing boards and many other substrates. Specifically designed to seal nail and screw penetrations, ensuring an effective and durable seal at these critical points.

Technical data

Essential characteristics	EFFISUS 2BOND DS
Total thickness	1.54mm
Standard roll sizes	25mm x 15,25 lm 50mm x 15.25 lm
Temperature resistance	-57°C to >+93°C
Elongation	> 500% ± 100
Resistance to water penetration (EN 1928)	W1
Application temperature	-29°C to 66°C ambient
Material	Synthetic resins, thermoplastics and non-curing rubber (non butyl)



Effisus 2AdJoin DF



Double-sided, airtight, and moisture-resistant sealing tape suitable for positioning the Effisus Breather FR UV Membrane onto the substrate.

Technical data

Essential characteristics	EFFISUS 2ADJOIN DF
Standard roll size	2.5cm x 20.0 lm
Temperature resistance	-40°C to 90°C
Material	Acrylate, free of solvents and softeners

Effisus AdJoin TI



Waterproofing and airtight flexible multi-purpose single side adhesive tape (acrylate based, free of solvents or softeners) suitable to seal Effisus Breather FR UV membrane perforations and overlaps.

Technical data

Essential characteristics	EFFISUS ADJOIN TI
Temperature resistance	-40°C to 90°C
Standard roll size	6cm x 30 lm
3rd Party accreditation	IAB
Life expectancy	60 years+
Usage	Interior & Exterior