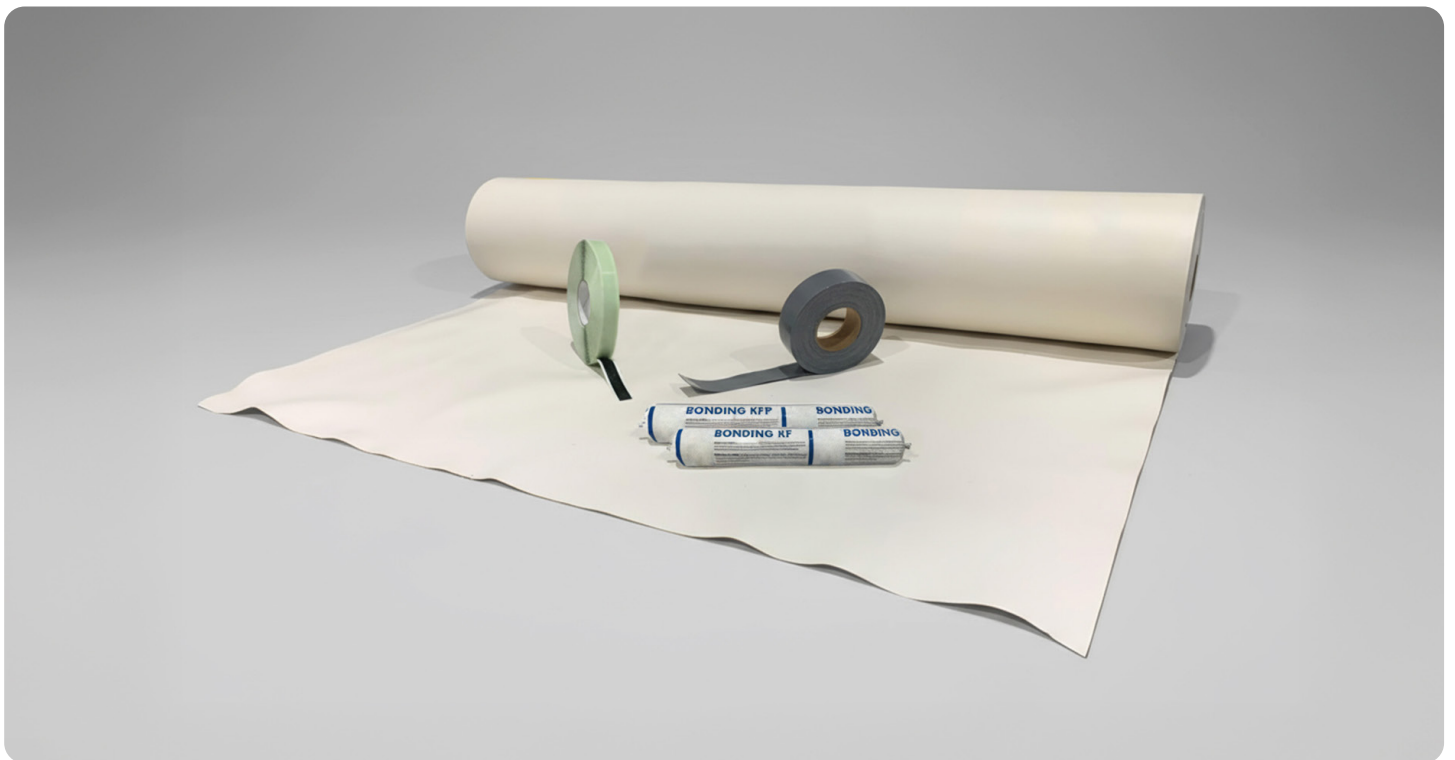


Effisus ProFlex FR

B CLASS FIRE RATED & 200% ELONGATION INTERFACE SOLUTION

Effisus **ProFlex FR** is a multi-layered weatherproofing membrane composed by a robust double side fire retardant polymer and fire retardant ultra-elastic reinforced core. This high-tech composite membrane was developed by an innovative bulk-forming process to efficiently control water, air, water vapour and moisture while accommodating differential movements along with fire performance. Effisus ProFlex FR is watertight and airtight membrane that combines an exceptional 200% elongation capacity with a fire performance of Class B-s3,d0 according to BS EN 13501-1. It was developed for sealing façade interfaces and construction joints on typical curtain walls, on rainscreen/brick ventilated façades, precast, masonry and many other applications.



ACCESSORIES · Effisus 2Bond DS · Effisus 2Bond GO · Effisus Bonding KF | KFP



Effisus ProFlex FR

Technical data

Essential characteristics	Method	Result
Thickness	BS EN 1849-2	1,00mm
Length	-	Bespoke (m)
Width	-	Bespoke (mm)
Mass per unit area	BS EN 1849-2	1105 g/m ²
Reaction to fire	BS EN 13501-1	B-s3,d0
Resistance to water passage (24h)	BS EN 1928 Method A	W1, pass
Water vapour properties (Sd)	BS EN 1931	56 ± 5m
Resistance to air passage	EN 12114	0 m ³ /(m ² xhx50 Pa)
Tensile strength	BS EN 12311-1	MD: 1160 (N/50mm) CD: 630 (N/50mm)
Elongation	BS EN 12311-1	MD: 79 % CD: 203 %
Tear resistance	BS EN 12310-1	MD: 315.1 N CD: 363.1 N
Dimensional Stability	BS EN 1107-2	<0,64 %
Artificial ageing by long term exposure to the combination of UV radiation and high temperature and heat, according to appendix C.	Tensile Strength BS EN 12311-1	MD: 1165 (N/50mm) ^{a)} CD: 606 (N/50mm) ^{a)}
	Elongation BS EN 12311-1	MD: 74 % CD: 189 %
	Resistance to water passage BS EN 1928 B	W1, pass ^{b)}
Reaction to fire System	BS EN 13501-1	B-s3,d0 ^{c)}

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)

The fire classification was
obtained with Effisus
accessories tested as a
system.

Notes

The product was tested under UKCA and CE on standard test BS EN 13859:2 Flexible sheets for waterproofing. Definitions and characteristics of underlays for walls.

For application below 5°C, please contact Effisus Technical Departament for further Assessment.



Effisus ProFlex FR System achieved a fire reaction Class B-s3,d0 as a system with Effisus accessories (adhesive and double-sided tapes).

Accessories selector

		EFFISUS 2BOND DS <small>(double side tape)</small>	EFFISUS 2BOND GO <small>(double side tape)</small>	EFFISUS BONDING KF KFP <small>(adhesive tape)</small>
Membrane Fixing / Positioning	Concrete or similar porous surfaces	*	*	*
	Aluminium	*	*	*
	Aluminium Aluminium Foil (insulation)	*	*	*
	Gypsum Sheathing Board, Calcium Silicate Boards, Cement Basis or similar	*	*	*
Membrane Overlaps		*	*	*
Membrane				*
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 2Bond GO



Effisus 2Bond GO is an extruded butyl-rubber adhesive tape, water-resistant and with very high ageing resistance. It is used for sealing and bonding at roofs, windows, and facades as well as in timber, glass, and metal construction.

Technical data

Essential characteristics	EFFISUS 2BOND GO
Total thickness	ca. 1mm
Adhesive	PIB/butyl rubber adhesive
Water resistance	Durable
Ageing resistance	Very high
Peel strength (IPM 5009)	≥ 20 N / 25mm
Tack	Very high
Temperature range	-30°C to +80°C
Application temperature	-5°C to +40°C
Core diameter	76mm

Effisus Bonding KF

Effisus Bonding KF is an adhesive with exceptional properties of adhesiveness and waterproofing. With exceptional bonding strength it is especially suitable for rough, uneven surfaces.



Technical data

Essential characteristics	EFFISUS BONDING KF
Base	Styrene rubber
Temperature resistance	-40°C to +90°C
Colour	Black
Density	1,15 g/cm ³

Effisus Bonding KFP

Effisus Bonding KFP adhesive is used for bonding EPDM and butyl to concrete, masonry, wood, glass, aluminium, steel and bitumen or for lap joint connections.



Technical data

Essential characteristics	EFFISUS BONDING KFP
Base	Styrene rubber, solvent-borne
Viscosity	Pasty
Colour	Black
Density	1,0 g/cm³
Solid content (by weight)	75%
Flash-off time / waiting time	30 sec
Open time	10 min
Consumption	200-300 g/cm²