

PRODUCT DATA SHEET

ISO-CONNECT FLAME B



PRODUCT DESCRIPTION

ISO-CONNECT FLAME B is a fire resistant, extremely flexible and stretchy special foil for creating facade connecting joints on windows, doors and panels that are both air tight and impermeable to driving rain. It is made from an adaptable soft polymer fleece with a special coating. Finishes are made with a self-adhesive strip for quick and effective application to the window frame. The vapour diffusion permeable fleece foil ensures moisture transport to the outside and meets the requirements of the German Building Energy Act GEG and the RAL "installation guide".

APPLICATION

ISO-CONNECT FLAME B is a component of the ISO³ FACADE SEALING SYSTEM and is used as weather protection for gluing over connection joints on the outside shells of buildings.

The adaptable special foil is very flexible and stands out due to its high mechanical load resistance. Due to its excellent response in the event of fire, it can be used in projects that demand fire resistant materials. Alongside its high tear strength, this connection foil absorbs movement extremely well, even where structural elements are subject to significant movement.

PRODUCT ADVANTAGES

- reaction to fire B-s1, d2 (fire resistant) as defined in DIN EN 13501
- high elasticity and flexible adaptation, compensates joint movement
- especially high tear resistance
- air tight, wind proof and vapour diffusion permeable
- driving rain and water resistant
- optionally with self-adhesive strip for quick and effective fitting
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"
- 10 Year Function Warranty*

* On the conditions of the manufacturer (available on request).

FINISHES

A (Standard)	
B	
C	

FLAME foil Butyl-adhesive strip
Self-adhesive strip

ISO-CONNECT FLAME B

Technical data	Standard	Classification
Material description		vapour diffusion permeable synthetic fleece
Colour		red-brown
Fire behaviour	DIN EN 13501-1	B-s1, d2 (fire resistant)*
Impermeable to driving rain	DIN EN 1027	≥ 1050 Pa
Air permeability coefficient	DIN EN 12114	air tight $a \leq 0.1 \text{ m}^3/[\text{h}\cdot\text{m}\cdot(\text{daPa})^{2/3}]$
UV stability		approx. 3 months
sd-value		approx. 0.15 m
Dimension tolerance	DIN 7715 part 5 P3	requirements fulfilled
Temperature stability range		-40°C to +80°C
Handling temperature		+0°C to +45°C
Storage temperature		+5°C to +20°C
Shelf life		1 year, dry and in original packing

* valid for finish A (standard)

DIMENSIONS

width: 100, 200 mm

PACKAGING

rolls, roll length: 30 m

SERVICE

- fast standard delivery from stock
- knowledgeable commercial and technical advice