EASY FOIL OS BLACK FR

Product

The EASY FOIL OS BLACK FR is composed of an ecological PES fleece and an innovative, vapour permeable polyurethane coating that provides durable UV protection and increased fire resistance. Rain or powdery snow are retained by the film. The smooth surface of the facade membrane ensures that driving rain and moisture run off the facade safely and reliably. The foil is supplied self-adhesive with a two- or three-part protective paper for applications in the corners.

Application examples

Air- and driving raintight finish for:

- Joinery (aluminium, wood, PU, PVC)
- Curtain walls
- Frames
- OSB
- Facade claddings
- Connections with our sealing films

Colour foil : black

Widths, lengths and packaging

100 mm x 25 m
150 mm x 25 m
200 mm x 25 m
250 mm x 25 m
300 mm x 25 m
350 mm x 25 m
400 mm x 25 m

Property	Value + unit
Product	PES fleece with polyurethane coating made from recycled materials
Weight	195 g/m² +/-10%
Fire class	B-s1, d0
Resistance to water penetration	W1
Water column testing	>400 cm WS
Water vapour permeability (μ_d)	0,13 m +/- 0,03
UV resistance	**10 years warranty(*) test 5000 hours UV according to EN 13859-2**
Airtightness (DIN EN 12114)	V50 = 0,061 m³/h.m. Airtight (< 0,1) (Test Ghent University)
Aging test foil according to IFT guideline MO-01/1:1007 due to alternating tensile and compressive forces of ±100 kg/m² film.	V50 = 0,055 m³/h.m. passed (test Ghent University)
Water tightness against driving rain (DIN EN 1027)	>1.200 Pa passed (test Ghent University)
Temperature resistance	-40°C to +80°C
Tensile strength • lengthwise • crosswise	 340 N/50 mm +/-30 240 N/50 mm +/-30
Elongation • lengthwise • crosswise	 50% +/-15 70% +/-15
Nail tear resistance • lengthwise • crosswise	 210 N +/-30 300 N +/-30
Storage life	Unlimited (**)

Advantages

- ✓ vapour open
- ✓ driving rain and windproof surface
- ✓ black surface
- ✓ increased fire resistance
- ✓ 10 year guarantee on UV resistance for open facade membrane with max.40% joints and a max.joint width of 50mm.
- ✓ Powerful, self-adhesive surface
- ✓ No construction adhesive required => very fast and cost-efficient installation
- ✓ self-adhesive performance largely built up after 60 minutes
- ✓ Easy installation possible, even on difficult substrate

(*) Only for partially open façade membrane with max. 40% joints and a max. joint width of 50mm.

(**) Store in a sealed box, at room temperature (21˚C and 50% relative humidity).

For your information

The length tolerances of the foils are according to DIN 7715 Width tolerances; +/- 2.50mm.

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Test results

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Product	Test method	Conclusion	Result
Easy Foil OS Black FR	Airtightness (DIN EN 12114)	extremely airtight (< 0,1)	V50 = 0,062 m³/h.m.
	Aging test membrane according to IFT Guideline MO-01/1:2007 with interchanging pull and push forces of ±100 kg/m²	passed	V50 = 0,055 m³/h.m.
	Proiection Io downpour (DIN EN 1027)	passed	> 1.200 Pa

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Technical properties adhesive layer

Property	Value + unit
Adhesive	solvent-free acrylic dispersion
Adhesive carrier	polyester fabric
Weight	230 g/m²
Protective layer	PP-silicone foil
Thickness (without adhesive)	±0,23 mm
Adhesive strength [DIN EN 1939 (2003)]	≥ 35N/25 mm
Dynamic shear resistance (internal test)	≥ 15 N/cm²
Temperature resistance	-40°C to +100°C
Aging resistance	Very good

Application

The materials and substrate must be solid, grease-, oil- and dust-free.

When applying the adhesive to joinery or non-porous surfaces, thoroughly degrease these substrates using a cleaner and a soft, lint-free cloth.

Before applying the foil, consult the processing guidelines.

Primer

On porous substrates (concrete, Ytong, etc.) an adhesive layer of 80mm is recommended. The adhesive strength strongly depends on the substrate and must be tested on each site in advance. If the adhesion is insufficient, the test must be repeated with Novoproof Primer. In case of very moist / very absorbent substrates, the primer will greatly improve the adhesion. When bonding to EPDM or roofing, always use Novoproof Primer and do a test in advance.