



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 (6 rolls/box)
- 150 mm x 25 m (4 rolls/box)
- 200 mm x 25 m (4 rolls/box)
- 250 mm x 25 m (2 rolls/box)
- 300 mm x 25 m (2 rolls/box)
- 350 mm x 25 m (2 rolls/box)
- 400 mm x 25 m (2 rolls/box)

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 substrates

For your information

The length tolerances of the foils are according to DIN 7715.

Width tolerances : +/- 2.50 mm.

Technical properties of the foil

Property	Value + unit
Technical properties Foil	
Product	PES fleece with polyurethane coating made from recycled materials
Fire class	B-s1, d0
Resistance to water penetration	W1
Water column testing	>400 cm WS
Water vapour permeability (μ_a)	0,13 m +/- 0,03
Nail tear resistance	210 N +/-30 300 N +/-30
UV resistance	10 years warranty(*) test 5000 hours UV according to EN 13859-2
Technical properties glue	
Adhesive	solvent-free acrylic dispersion
Adhesive carrier	polyester fabric
Protective layer	PP-silicone foil 80 μ m
Thickness (without adhesive)	\pm 0,23 mm
Adhesive strength [DIN EN 1939 (2003)]	\geq 28 N/25 mm
Dynamic shear resistance (internal test)	\geq 12 N/cm ²
Aging resistance	Very good
Technical properties combined product	
Weight	385 - 464 g/m ²
Storage life	Unlimited (**)
Tensile strength	\geq 310 N/50mm \geq 210 N/50mm
Elongation	\geq 155 % \geq 135 %
Airtightness (DIN EN 12114)	V50 = 0,061 m ³ /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 \pm 100 kg/m ² film.	V50 = 0,055 m ³ /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

(*) Only for partially open facade 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).

EASY FOIL OS BLACK FR

Test results



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.
	Projection to downpour (DIN EN 1027)	passed	> 1.200 Pa

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Application

Press very well with a pressure roller

Maintain the roof tile principle



Remarks

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

When applying the adhesive to e.g. joinery or non-porous surfaces, thoroughly degrease these substrates using the Dowsil™ R-40 cleaner and a soft, lint-free cloth.

The foil should not be subjected to permanent loads such as tensile or compressive forces. 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 CS-EPDM Foil Primer. In case of very moist / very absorbent substrates, the primer will greatly improve the adhesion. When bonding to EPDM or roofing, always use CS-EPDM Foil Primer and do a test in advance.

* Widths of the protective film of the adhesive layer :

- 100 mm : 30 mm + 70 mm
- 150 mm : 30 mm + 60 mm + 60 mm
- 200 mm : 30 mm + 85 mm + 85 mm
- 250 mm : 30 mm + 110 mm + 110 mm
- 300 mm : 30 mm + 135 mm + 135 mm
- 350 mm : 30 mm + 160 mm + 160 mm
- 400 mm : 30 mm + 185 mm + 185 mm

Note

The information contained in this document is provided in good faith and is believed to be correct. However, we have no influence on the conditions in which these products are used or the methods by which they are used. Therefore, this information is not a substitute for tests which the customer must perform himself/herself in order to ensure that the products are safe, effective and achieve the intended purposes. Suggestions regarding the use of the product must not be used as grounds for infringement of any patent whatsoever. The only guarantee Castelein Sealants offers is that this product complies with the Castelein Sealants terms and conditions of sale in force at the time of shipment. Your only remedy in the event of a breach of this guarantee is the refund of the purchase price or the replacement of the product that does not comply with the guarantee.

Technical data of supplier: 03-2016

The producer reserves the right to make changes. 2024 03 07