



Qu-Air Black FR

The Qufire Qu-Air 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 façade membrane ensures that driving rain and moisture run off the façade safely and reliably. The foil is supplied self-adhesive with a two-or-three-part protective paper for application in the corners

Application Examples

Air and driving raintight finish for

- Joinery (aluminium, wood, PU, PVC) Roofing Film
- Curtain walls
- Frames
- OSB
- Façade Claddings
- Connections with our sealing films

Advantages

- ✓ Vapour Open
- ✓ Driving rain and windproof surface
- ✓ Black Surface
- ✓ Increased fire resistance
- ✓ 10 year guarantee on UV resistance for open façade membrane with max.40% joints and a max.joint width of 50mm
- ✓ Very powerful, self-adhesive surface
- ✓ No construction adhesive required =>very fast and cost-efficient installation
- ✓ Self-adhesive performance largely built up after 60 minutes
- ✓ Full adhesive strength achieved after approximately 60 minutes
- ✓ Easy installation possible, even on difficult substrates

Technical Properties

Property	Value + Unit
Product	PES Fleece with polyurethane coating made from recycled materials
Weight (DIN EN 1849-2)	195 g/m ² +/- 10%
Fire Class (DIN EN 13501)	B-s1, d0
Resistance to water penetration	W1
Water Column Testing (DIN EN 20811)	>400cm WS
Water vapour Permeability µd Value	0.13m +/- 0,03
UV Resistance	10 years warranty (*) test 5000 hours UV according to EN 13859-2 Only for partially open façade membrane with max.40% joints and a max.joint width of 50mm
Airtightness (DIN EN 12114)	V50 – 0,055 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 ± 100 kg/m ² film.	Passed V50<0,055m ³ /(h.m) <test Ghent University)
Water tightness against driving rain (DIN EN 1027)	>1200 Pa <test Ghent University)
Temperature resistance	-40°C to +80°C
Tensile Strength (DIN EN 12311-2/A) ➤ Lengthwise ➤ Crosswise	340 N/50 mm ±30 240 N/50mm ±20
Elongation at Break (DIN EN 12311-2/A) ➤ Lengthwise ➤ Crosswise	50% ±15 70% ±15
Nail tear resistance (DIN EN 12311-2/A) ➤ Lengthwise ➤ Crosswise	210 N/50 mm ±30 300 N/50mm ±20

Storage Life	Unlimited (**) (**) store in closed box, at room temperature (21°C and 50% relative humidity)
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Property	Value + unit
Adhesive	Solvent free acrylic dispersion
Adhesive Carrier	Polyester fabric
Weight	230 g/m ²
Protective Layer	PP-silicone foil
Thickness (without adhesive)	±0,23mm
Adhesive strength (DIN EN 1939 (2003))	≥ 35N/25mm
Dynamic shear resistance (internal test)	≥ 15N/cm ²
Temperature resistance	-40°C to ±100°C
Aging Resistance	Very good

The length tolerances of the foils are according to DIN 7715 Width tolerances: ±2.50mm

