

Product

The FOIL ST consists of a vapour permeable, coated fleece. Rain or powdery snow are retained by the film. The surface of the facade membrane ensures that driving rain and moisture run off the facade safely and reliably. The FOIL ST is supplied **with or without adhesive strips**.



Application examples

Version 1 (see page 2)

- Roofing film
- Water barrier on facades

Versions 2, 3 and 4 (see page 2)

Air- and driving raintight finish for:

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

Foil Colour

black

Length / Width

Standard length : 25 m

Maximum width : 1.500 mm

Other widths from 50 mm to 1.500 mm available on request

Advantages

- ✓ vapour open
- ✓ driving rain and windproof surface
- ✓ black surface

For connections on the structure

352 SUPER-PRO, a mastic adhesive based on MS-Polymer® that cures under the influence of air humidity (tubes of 290 ml).



Note

Always use a hard pressure roller for optimal adhesion. Two types are available: hard silicone rubber or steel.



When applying a self-adhesive tape onto the joinery, thoroughly degrease the joinery with the universal cleaner Dowsil™ R-40 and a soft, lint-free cloth.

When using foils with adhesive layers, the substrate and materials must be solid, grease-, oil- and dust-free.

Technical properties of the foil

Property	Value + unit
Product	coated fleece (one side felt / other side smooth)
Weight (DIN EN 1849-2)	120 g/m ² +/-10%
Fire class (DIN EN 13501)	E
Resistance to water penetration	W1
Water column testing (DIN EN 20811)	> 400 cm WS
μ _d value	2 m +/- 0,50
UV resistance	9 months
Airtightness (DIN EN 12114)	< 0,01 m ³ /(h.m)
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 < 0,01 m ³ /(h.m)
Water tightness against driving rain (DIN EN 1027)	> 1200 Pa
Temperature resistance	-40°C to +80°C
Tensile strength (DIN EN 12311-2/A)	
• lengthwise	210 N/50 mm +/-30
• crosswise	140 N/50 mm +/-20
Elongation at break (DIN EN 12311-2/A)	
• lengthwise	110% +/-30
• crosswise	130% +/-30
Storage life	unlimited (*)

(*) store in closed box, at room temperature (21°C and 50% relative humidity)

Before applying the foil, consult the instructions for use.

For your information

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

FOIL ST VERSIONS

1) **320 FOIL ST**

The FOIL ST is provided in the standard width of 1.5 metres and a length of 25 metres, but can also be cut to the required width if necessary.



2) **FOIL ST with adhesive strips** **(type 340 FOIL ST and 360 FOIL ST)**

The FOIL ST can be cut to size or not and can be provided with one or more acrylic strips (*type 340 FOIL ST*) or one or more butyl adhesive strips (*type 360 FOIL ST*). This guarantees a faster installation of the foils. Combinations of both adhesive types are also possible.



3) **FOIL ST patch**

We can provide the FOIL ST with an acrylic adhesive layer over its entire width, and thus transform it into a high-quality tape. Any width (from 50 to 1500 mm) is available.



4) **EASY FOIL ST**

In this case, the foil is transformed into a wide tape, but in order to facilitate the installation, the protective foil of the adhesive is subdivided into split paper.

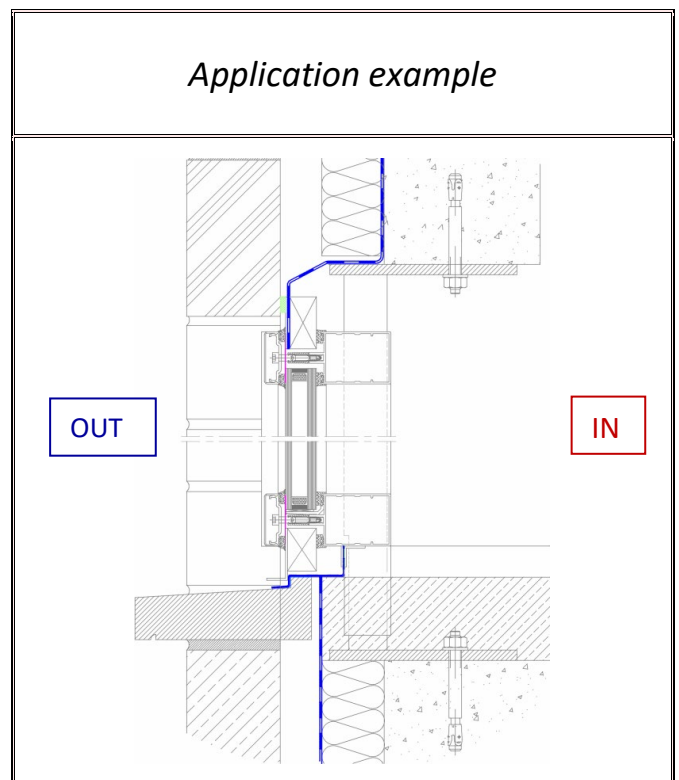
Please ask for our technical data sheet.



Technical properties adhesive (versions 2-3-4)

Property	Value + unit
Adhesive	solvent-free acrylic dispersion
Adhesive carrier	Polyester tissue
Weight	230 g/m ²
Protective layer	PP-silicone foil
Thickness	±0,23 mm
Adhesive strength [DIN EN 1939 (2003)]	≥ 35 N/25mm
Dynamic shear resistance (internal test)	≥ 15 N/cm ²
Temperature resistance	-40°C to +100°C
Aging resistance	Very good

Application example



A Processing Guide is available on request.

When using two different foils (indoor and outdoor), ensure that the outside foil is always at least 10x more vapour permeable than the inner foil.

Note

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Technical data of supplier: 03-2016

The producer reserves the right to make changes. 2020 04 01