



## Product

Driving rainproof and vapour open synthetic fleece composed of three layers (polypropylene) for various seals in the construction industry. The FOIL OPEN EX 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

## Colour (with reservations)

The upper side is light grey, the backside is white.

**Thickness :** 0,65 mm

## Length / Width

Standard length : 25 m

Maximum width : 1.500 mm

Other widths from 50 mm to 1.500 mm available on request.

## Advantages

- ✓ Driving rainproof, airtight
- ✓ Vapour open
- ✓ Can be applied on most surfaces with the appropriate sealant (consult us).
- ✓ Can be used within the EPB standard.
- ✓ Very good tear resistance
- ✓ Very flexible, easy to apply
- ✓ Light weight
- ✓ putrefaction resistant
- ✓ Very good aging resistance

## For connections on the structure or for interconnections

CS-SYNT FOIL BOND, a mastic adhesive based on polyurethane that cures under the influence of humidity (600ml sausages).

## 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
Basic product	Vapour open synthetic membrane
Adhesive strips	none
Temperature resistance	-40°C to +80°C
Application temperature	-20°C to +50°C
Certification standard	EN 13859-1:2010
Surface weight	150 g/m <sup>2</sup> (+/- 10%)
Tensile strength	
• lengthwise	250 N/50 mm (+/- 30)
• crosswise	200 N/50 mm (+/- 30)
Nail tear resistance	
• lengthwise	130 N (+/- 30)
• crosswise	140 N (+/- 30)
Elongation	
• lengthwise	50 % (+/- 15)
• crosswise	30 % (+/- 15)
µd value	0,04 m (+/- 0,02)
Resistance to water penetration	W1
Fire class	E
UV stability	3 months
Straightness	<30 mm per 10RM
Cold bending behaviour	-20°C
Dimensional stability	-2 %
Water pressure resistance	> 400 cm
Driving rain resistance	ok
Storage	in its original packaging below 30°C

## 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.

Before applying the foil, consult the instructions for use.

# FOIL OPEN EX VERSIONS

## 1) FOIL 120 OPEN EX

The FOIL OPEN EX 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 OPEN EX with adhesive strips (type FOIL 140 OPEN EX and FOIL 160 OPEN EX)

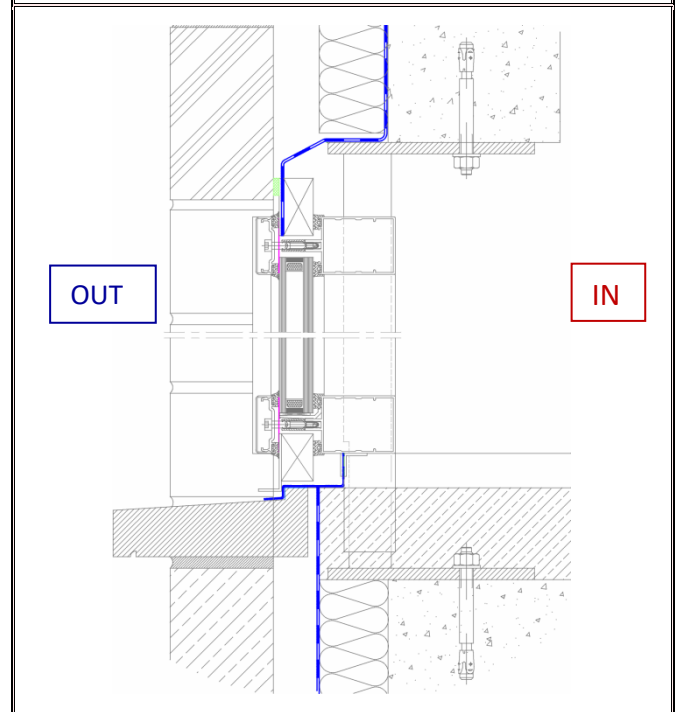
The FOIL OPEN EX can be cut to size or not and can be provided with one or more acrylic strips (type FOIL 140 OPEN EX) or one or more butyl adhesive strips (type FOIL 160 OPEN EX). This guarantees a faster installation of the foils. Combinations of both adhesive types are also possible.



### Technical properties adhesive (version 2)

Property	Value + unit
Adhesive	Solvent-free acrylic dispersion
Adhesive carrier	Polyester tissue
Weight	230 g/m <sup>2</sup>
Protective layer	PP-silicone foil
Thickness	± 0,23 mm
Adhesive strength [DIN EN 1939 (2003)]	≥ 35N/25 mm
Dynamic shear resistance (internal test)	≥ 15N/cm <sup>2</sup>
Temperatuurbestendigheid	-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

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. 2020 04 01