

Product

Elastomeric membrane obtained by combining EPDM (Ethylene Propylene Diene Monomer) with oils and fillers followed by calendaring and vulcanization.

On request, the foil can be provided with 1 (left) or 2 (left+right) adhesive layers based on butyl of 1.50 mm x 20 mm as an assembly aid.

Application examples

- flood barrier under thresholds
- around curtain walls
- in steel facades
- external facade insulation
- around frames/around windows

Colour

EPDM : black

Butyl adhesive layers : black

Thicknesses

EPDM : 0,60 – 0,75 – 1,00 – 1,30 – 1,50 mm

Widths (adhesive layer included)

100-110-120-130-140-150-160-170-180-190-200-210-220-230-240-250-260-270-280-290-300-... - 750 mm

Lengths

0,60 mm : 25 meter

0,75 – 1,00 – 1,30 – 1,50 mm : 20 meter

The length might fluctuate ± 5% due to the elasticity of the material.

Available versions : rolls (standard length)

Properties

- ✓ very good resistance to weather conditions, UV and aging
- ✓ very good long-term watertightness
- ✓ highly elastic and putrefaction resistant
- ✓ recyclable
- ✓ solvent-free

Adhesives

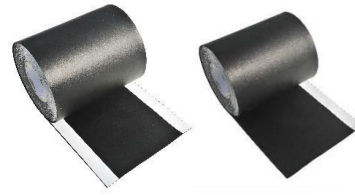
CS-EPDM Mastic Bond FA

A 1-component synthetic rubber-based adhesive that cures to a durable elastic rubber. Colour: black.

CS-EPDM Foil Bond 00

A 1-component adhesive and sealant based on MS Hybrid technology that cures to a durable elastic rubber. Colour: black.

Both sealants are specially designed for bonding and sealing the CS-EPDM Foil to the most common building materials such as aluminium (untreated, anodized, powder-coated), mineral substrates (concrete, stone, clinker, plaster), PVC windows, steel (galvanized, powder-coated), wood (test beforehand), overlaps between EPDM foils. Aluminium sausages of 600ml.



Membrane n° 22003
Classe : A-B-C



Technical properties membrane

Property	Value + unit
Density (-5% / + 10%) (EN 1849-2)	
○ 0,60 mm	0,700 kg/m ²
○ 0,75 mm	0,875 kg/m ²
○ 1,00 mm	1,180 kg/m ²
○ 1,30 mm	1,575 kg/m ²
○ 1,50 mm	1,815 kg/m ²
Shore A hardness	65° +/- 5
Temperature resistance	-40°C to +120°C
Structure	Single-layer solid rubber
Elongation at break (EN12311-1 A)	≥ 350%
Tensile strength (EN 12311-1 A)	
○ 0,60 mm	≥ 210 N/50 mm
○ 0,75 mm	≥ 260 N/50 mm
○ 1,00 mm	≥ 350 N/50 mm
○ 1,30 mm	≥ 450 N/50 mm
○ 1,50 mm	≥ 460 N/50 mm
Tear resistance (EN 12310-1)	
○ 0,60 mm	≥ 70 N
○ 0,75 mm	≥ 80 N
○ 1,00 mm	≥ 90 N
○ 1,30 mm	≥ 110 N
○ 1,50 mm	≥ 120 N
Fire class (EN ISO 11925-2/EN 13501-1)	E
Airtightness (EN 12114)	≤ 0,1m ³ /(m ² h) (50 Pa)
Water vapour diffusion resistance factor (μ) (EN 1931)	60.000 +/- 18.000
Certificates	ATG 3288

Remark

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



CS-EPDM FOIL SELF (WITH 1 OR 2 BUTYL ADHESIVES)

Accessories

CS-EPDM Foil Primer

Adhesion improver for the use of contact adhesive CS-EPDM Contact Bond TA or bonding sealant CS-EPDM Mastic Bond FA on porous, damp substrates or in the case of use at temperatures between +5°C and -10°C.

CS-EPDM Contact Bond TA

Contact adhesive based on synthetic rubber used for bonding the membrane to all kinds of substrates (wood, aluminum and stone).

CS-EPDM Cleaner

To clean the CS-EPDM Foil (if not clean enough) before bonding with the CS-EPDM Mastic Bond FA or the contact adhesive CS-EPDM Contact Bond TA.

Remarks

Properly degrease the joinery with a universal cleaner type Dowsil™ R-40 and a soft, lint-free cloth.

The full width of the adhesive tape (20 mm) must be used for adhesion on the substrate and the materials should not be subject to a constant tensile load.

Due to the variety of substrates (product, structure, porosity, composition), the adhesive butyl strip present on the EPDM may react differently.

The application of a suitable primer can sometimes help but is not a guarantee.

Before the product is finally applied on site, a test is recommended.

For your information:

The adhesive layer is always applied between 1 and 6 mm from the edge of the 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: 02-2022

The producer reserves the right to make changes. 2024 04 23