

Product

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

Application examples

- Against ascending damp
- as a water barrier at the base of the cavity wall
- flood barrier under thresholds
- around curtain walls
- in steel facades
- renovation of gutters
- external facade insulation
- around frames/around windows

Colour

black

Thicknesses

0,60 / 0,75 / 1,00 / 1,30 / 1,50 mm (-5%/+10%)

Widths

Thickness 0,60 mm: 100-110-120-130-140-150-160-170-180-190-200-210-220-230-240-250-260-270-280-290-300-... - 1.320 mm

Other thicknesses: 100-110-120-130-140-150-160-170-180-190-200-210-220-230-240-250-260-270-280-290-300-... - 1.420 mm

Lengths

Thickness 0,60 mm : 25 meter

Other thicknesses: 20 meter

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

Available versions

rolls

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. Color: black.

CS-EPDM Foil Bond 00

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



Membrane n° 22003
Classe : A-B-C



ATG 3288

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 (EN12311-2B)	≥ 350%
Tensile strength (EN 12311-2B)	≥ 8,5 N/mm ²
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

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

CS-EPDM FOIL

Remark

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



Alternative versions



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 07/2024

The producer reserves the right to make changes. 2024 11 29

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.

Properties: see technical sheet of the products.