

Product

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

On request, the membrane can be provided with 1 (left) or 2 (left+right) very strong HTB adhesive layers with a width of 100 mm.



CE

Application examples

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

Colour

EPDM : black

HTB adhesives : black

Thickness

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

Widths (with adhesive)

300-350-400-450-500-... - 750 mm

Lengths

0,60 mm : 25 meter

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

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

Available versions

- strips (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

Note

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



Irregular substrates and thickenings due to overlaps in the corners must be sealed with the CS-EPDM Foil Bond 00.



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

CS-EPDM FOIL WITH 1 OR 2 HTB ADHESIVES

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.

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.

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.

Remarks:

The full width of the adhesive tapemust be used for adhesion to the substrate and the materials should not be subject to a constant tensile load.

For your information:

The adhesive layer is always applied between 1 and 6 mm from the edge of the foil.

On porous substrates (concrete, Ytong, etc.) an adhesive side of 100mm is recommended. The adhesive strength strongly depends on the substrate and must be tested in advance on site by site. If the adhesion is insufficient, the test must be carried out again with CS-EPDM Foil Primer.

The product is only intended for applications above ground level.

Note

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Technical data of supplier: 09-2009

The producer reserves the right to make changes. 2024 01 22