

EPDM Membrane

Product description

EPDM Membrane is a very tear-resistant, elastic and bitumen compatible air- and watertight membrane made of EPDM rubber.

Properties

- Airtight
- Watertight
- Compatible with bitumen
- Good temperature resistance
- Good weather and UV resistance
- Resistant against alkali
- Resistant against micro-organisms
- Elastic
- Flexible
- High tear resistance
- Complies with EN13984



Applications

- For air- and watertight sealing of:
 - Connections
 - Foundations (against rising dampness)
 - Window and door connections:
 - outside inner leaf (prior to application of the facade insulation)
 - outside massive walls
 - outside ventilated facades
 - under the window (or door) sill

Technical data

Material		EPDM-rubber
Elongation at break	EN 12311-2	> 300 %
Thickness		1.2 mm +/- 10%
Fire reaction class	EN 13501-1	E (normal flammability)
Tear strength	EN 12310-2	> 20 N
Water vapour permeability (Sd)	EN ISO 12572	ca. 24.0 m
Tensile strength	EN 12311-2	> 8 MPa
Application temperature		+5°C → +35°C
Temperature resistance		-30°C → +75°C

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Durability against ageing	EN 1296/EN 1931	Requirements fulfilled
Watertightness (2 kPa)	EN 1928	Requirements fulfilled

Footnote: These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Substrates

- Substrate condition
The surface must be rigid, clean, dry, free of dust and grease.
- Substrate preparation
A preliminary adhesion test on every substrate is recommended. Porous surfaces should be primed with Soudal Primer 150.
- Substrate types
EPDM Membrane has a good adhesion to following substrates: all usual building substrates.

Application method

- Application method
Depending on the situation, the installation of EPDM Membrane can be carried out before or after the installation of the façade element (eg window frame). Cut EPDM Membrane 10 cm to 20 cm longer than the length of the relevant facade element (eg window frame). This acquires 5 cm to 10 cm extra on both sides to overlap the corners. The foil can be attached to the facade element with Soudaseal EPDM or by means of a mechanical fastening (pressure clamp strip, terminal strip, etc.). Start at the bottom of the facade element and work upwards for a good drainage. After installing the facade element, fill up the connection joint between window frame and structure with a suitable PU foam (eg Flexifoam). After full curing of the PU-foam (and possibly cutting it off) EPDM Membrane is bonded to the structure with Soudaseal EPDM. To do so, apply a 5 to 6 mm thick and uninterrupted (= airtight!) adhesive bead. Calculate +/- 1 adhesive bead per 5 cm EPDM width. Apply the foil, not too tight, on the structure to absorb any movements between the various building elements but avoid folds. Then press the foil evenly, with a pressure roller, so that a 1 to 2 mm thick adhesive layer of approx. 25 mm wide is obtained. That way there is sufficient bonding surface and the adhesive can cure well. The overlapping parts of the EPDM Membrane (eg in the corners) must be bonded with Soudaseal EPDM. The bonding can only be loaded after full curing of the adhesive. Consult the technical data sheet of the adhesive for this.
- Cleaning method
Using Soudaseal EPDM sealant or in the presence of a self-adhesive butyl strip, the residue can be cleaned with Soudal Remover CT, Soudal Surface Cleaner or Swipex Wipes.
- Repair method
Repair with the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.

Packaging/Logistics

Colour: Black

Packaging: Width (mm) x Roll length (m) x Roll/Packing

200 x 20 x 4

250 x 20 x 4

300 x 20 x 2

400 x 20 x 2

Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C

Remarks

- Do not use at temperatures below +5°C

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- Do not use on frozen surfaces or surfaces on which condensation is present.
- The applied pressure and not the duration of the pressure will determine the ultimate strength of the bond.

This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.