

Soudaseal EPDM

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Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 10 min
Curing speed * (23°C/50% R.H.)	2 mm/24h → 3 mm/24h
Hardness**	50 ± 5 Shore A
Density	Ca. 1,62 g/ml
Elastic recovery (ISO 7389)**	> 75 %
Maximum allowed distortion	± 20 %
Max. tension (ISO 37)**	> 2,00 N/mm ²
Elasticity modulus 100% (ISO 37)**	0,75 N/mm ²
Elongation at break (ISO 37)**	300 %
Consumption*	Ca. 15 linear meters at the recommended adhesive bead of about 5mm.
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Soudaseal EPDM is a high quality, neutral, elastic, 1-component Hybrid polymer based adhesive sealant for bonding and sealing of Soudal EPDM membranes in interior and exterior applications. Soudaseal EPDM is part of Soudal Window System.

Properties

- Very good adhesion to Soudal EPDM membranes
- Good adhesion on most common building materials.
- Primerless adhesion even on damp surfaces due to unique adhesion promoters.
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Meets GEV EMICODE EC-1R Plus: very low emission
- Stays elastic after curing and very durable
- Solvent, halogen, acid and isocyanate free.
- UV resistant, waterproof and resistant to weathering

- For in- and outdoor use

Applications

- For bonding of Soudal EPDM vapor barriers and waterproofing membranes in facade applications.
- For bonding and sealing of Soudal EPDM membranes to each other as well to structural work, masonry, concrete, plaster, cement, aluminium, wood, etc.
- Particularly suitable for making airtight connections in window installations.

Packaging

Colour: black

Packaging: 600 ml foil bag

Shelf life

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

Substrates

Substrates: Various porous and non-porous surfaces such as wood, concrete, stone and other materials commonly used in construction. As well as good adhesion (wet) surfaces:

Remark: 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. 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. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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plaster, brick, (gas) concrete, wood, insulation, plasterboard, fiber cement, ...

Nature: clean, free of dust and grease, can be moist.

Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150.

Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

Application method

Application method: With manual- or pneumatic caulking gun. Apply Soudaseal EPDM without interruptions in a bead of approx. 5 mm to the substrate. Place the EPDM membrane free of tension in the adhesive layer and press. A non-interrupted adhesive layer with a thickness of 1 to 2mm and a width of approx. 25mm guarantees the best curing.

Cleaning: Soudaseal EPDM can be removed before curing from tools and material with Soudal Adhesive Cleaner 90A, Swipex or white spirit. After curing can only be removed mechanically.

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material.

Health- and Safety Recommendations

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

Dangerous. Respect the precautions for use.

Remarks

- Do not use in applications where continuous water immersion is possible.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Environmental clauses

Leed regulation:

Soudaseal EPDM conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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