

Product

NOVOPROOF FA-EPDM HB is a very strong sealing foil with a specific compression resistance. It is mainly used in timber constructions between the floor plate and the basic elements.

Application examples

NOVOPROOF FA-EPDM HB was specially developed as a sealing against capillary water infiltration between the floor plate and the base elements. (NF-DTU 31.2 "Building houses and timber frame construction")

It is also particularly suitable as protection against rising moisture from the floor.

Thickness EPDM : 0,6 mm - 0,75 mm

Length: 20 or 25 meter

Widths

100, 120, 140, 150, 200, 250, 300, 400 mm
(other widths on demand)

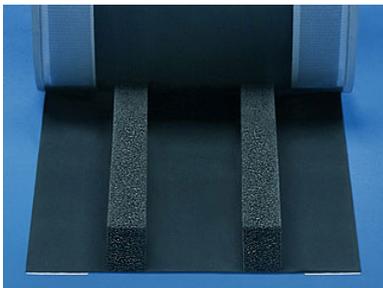
Versions

Can be delivered preassembled:

- o Two-layer impregnated foam to absorb tolerances and irregular surfaces
- o with two self-adhesive butyl tapes for durable adhesion

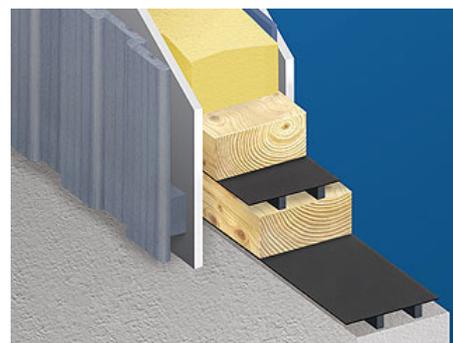
Properties

- ✓ durable water-resistant
- ✓ very good resistance to pressure
- ✓ exceptional tear resistance
- ✓ good UV and weather resistance
- ✓ sealing against water vapour
- ✓ compatible with bitumen
- ✓ very good resistance to temperature fluctuations
- ✓ flexible, even at low temperatures



Technical properties

Property	Value + unit
Product	synthetic rubber based on EPDM, with 2 additional impregnated polyurethane strips
Colour	black
Fire class (DIN 4102 T1)	B2
Temperature resistance	-30°C to +100°C
Application temperature	+5°C to +35°C (adhesives)
Water vapour diffusion resistance factor (μ) (DIN EN 1931)	$\mu = 60.000 \pm 18.000$
Air permeability (DIN EN 12114)	$a \leq 0,1 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^0]$
Thermal conductivity impregnated foam (DIN 52612)	$\lambda_{10, \text{tr}} \leq 0,042 \text{ W/m} \cdot \text{K}$
Breaking resistance (DIN 53504)	$\geq 25 \text{ kN/m}$
Elongation resistance (DIN 53504)	$\geq 6,50 \text{ MPa}$
Elongation at break (DIN 53504)	$\geq 300\%$
UV and ozone resistance (DIN 7864 T1)	compliant
Tolerance (DIN 7715 TP P3)	compliant
Storage life	EPDM : unlimited Impregnated foam : 1 year after production date
Storage temperature	+ 1 °C to + 25°C



NOVOPROOF FA-EPDM HB

The surface must be clean, solid and dry with no solvent residues.

Application

The NOVOPROOF FA-EPDM HB must be installed horizontally in relation to the foundations and then stretched on the plate.

Version without butyl: with staples or nails with flat head.

Version with butyl: fixed with the double-sided adhesive butyl tapes. To do this, remove the protective film, position the adhesive strips on the support using a steel pressure roller. The film must be installed without tension.

The overlap width must be at least 20 cm. The NOVOPROOF FA-EPDM HB must be positioned in such a way that no moisture bridge appears either on one side or on the other side of the construction and where the film appears 50 mm. The overlaps can be glued together with the kit CS-EPDM-Foil Bond.

Information

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

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: 09-2009

The producer reserves the right to make changes. 2020 04 01