



## EPDM Foil (0,75 mm & 1,00 mm)

07.2022

EPDM Foil is a vulcanised black EPDM foil on the basis of a copolymer of ethylene and propylene. Suitable as a durable sealing in curtain walls, timber frame constructions, steel constructions and cladding.

### PROPERTIES

EPDM Foil is flexible, elastic and resistant to aging. The product has a good temperature resistance and contains no volatile compounds or solvents. EPDM Foil can be applied as an air and watertight connection for mounting frames, conservatories and terrace roofs, or as a joint sealing for connection joints in concrete constructions and roof edge details. Available on roll, with or without adhesive backing. Available in the colour black.

### CHARACTERISTICS

- Very flexible EPDM foil
- With or without adhesive backing (acrylate)
- Available on roll
- Weather resistant
- Extremely resistant to aging
- Good temperature resistance
- Strong and tear-resistant
- Colour: black

### PROCESSING GUIDELINES

The substrate must be clean, dry and dust-free. After pre-treatment of the substrate, the EPDM Foil can be applied from the roll. Avoid contact with products such as grease, animal fats, tar, products based on oil (mineral and vegetable), strong acids and fresh bitumen. No minimal processing temperature is required for non-adhesive EPDM Foil. For EPDM Foil with adhesive backing, a minimum processing temperature of 5 °C applies. Roll out the EPDM Foil and cut to length. Apply the foil without tension and with even pressure to the substrate, while preventing air entrapment. If necessary, use the Celdex pressure roller for extra pressure. In case of transitions to other tapes, clean the EPDM Foil using Celdex Cleaner. Overlap at least 5 cm. Store the product in its closed original packaging.



## SAFETY

No specific safety guidelines exist for this product.

## MAINTENANCE INSPECTIONS

Possible damages to the sealing materials can be timely identified by performing periodic inspections. In order to prevent consequential damage, reconstruction works will be carried out in consultation with Celdex. Before any reconstruction works are carried out, it is essential to establish the cause of the damage to the sealing and to ask Celdex for additional advice. This can be done by means of targeted visual inspections or by assessing the damage in a laboratory.

## IN CASE OF DOUBT

When in doubt, or in case of deviating circumstances, you can contact our Technical Department. Would you prefer customised advice? Our technical consultants will be happy to help you.

## CELDEX

Celdex is a producer of synthetic foam products for construction, industry, sports & leisure. In addition to a wide range of standard products, we also provide customisation. Whichever product you choose, we produce everything in-house and use short delivery times. Celdex is the one discussion partner for airtight construction for architects, construction companies and the supplying industry. Our consultants have broad constructional know-how and think along about construction, use of material and critical connections. Our products can usually be applied prefab, which saves a lot of time and construction costs. Throughout the building process, we provide advice about the application and processing of our materials, aiming for optimal performance.

Discover our assortment:

- Foam fillers
- Stone wool products
- Single-sided and double-sided adhesive foam tapes
- Pre-compressed foam tapes
- Butyl tapes
- Fire-resistant products
- Anti-drumming materials
- Duct seals
- Tapes
- Polyurethane foams, elastic sealants and adhesives

## TECHNICAL DATA

EPDM foil	0.75 mm	1.00 mm
Thickness	0.75 mm (+0.2 mm / -0.1 mm)	1.00 mm (+0.2 mm / -0.1 mm)
Colour	Black	Black
Water resistance (2 kPa) (EN 1928)	Complies	Complies
Tensile strength (EN 12311-2)	≥ 7 Mpa	≥ 8 Mpa
Max. allowable deflection (EN 12311-2)	≥ 300 %	≥ 300 %
Water vapour permeability (EN 1931)	50,000 μ	50,000 μ
Service temperature range	-45 °C to +130 °C	-45 °C to +130 °C
Tear strength (EN 12310-2)	≥ 10 N	≥ 20 N
UV-resistance	Very good	Very good
Sustainability through aging (EN 1296/EN 1931)	Complies	Complies
<b>Self-adhesive</b>		
Type	Solvent-free acrylic	Solvent-free acrylic
Thickness	0.17 mm	0.17 mm
Adhesive carrier	Paper 12 g/m <sup>2</sup>	Paper 12 g/m <sup>2</sup>
Protective film	Brown silicone coated paper	Brown silicone coated paper
Peel strength (AFERA 4001)	22 N/25 mm	22 N/25 mm
Tear strength (DIN 53112)	12 N/15 mm	12 N/15 mm
Service temperature range	-30 °C to +140 °C	-30 °C to +140 °C
Application temperature	> 5 °C	> 5 °C
Condensation water resistance	Good	Good
Aging resistant	Very good	Very good
Shelf life at storage temperature 20 °C	12 months in closed package	12 months in closed package

The data on this product data sheet was represented as complete and as correctly as possible, but cannot constitute any guarantee. When in doubt, please consult one of our specialists. The application method, as also the application conditions will be your own responsibility. Deliveries will take place exclusively in conformity with our General Delivery and Payment Conditions.