



EPDM Foil + Butyl

04.2021

Celdex EPDM Foil + Butyl is a combination of a reinforced EPDM roof sheeting with a premium crosslinked, extruded grey butyl rubber at the bottom. As a self-adhesive EPDM sheet, it can be applied as a sealing and for connections in façade applications.

PROPERTIES

This product has a durable continued flexible butyl rubber adhesive paste, that has a high adhesive strength, due to instant adhesion. Suitable as a sealing in curtain walls, timber frame elements, steel constructions and cladding. It is applied as air and watertight connection of mounting frames, conservatories and terrace roofs, or as a joint sealant for connection joints in concrete constructions and roof edge details.

CHARACTERISTICS

- Reinforced EPDM foil
- Single-sided self-adhesive butyl
- Butyl remains elastic
- High initial adhesive strength on various substrates
- Available on roll
- For various sealing applications in the construction and industry
- Extremely resistant to aging
- Good temperature resistance
- Protects against draught, dust, heat loss and noise
- Colour Foil: black ; colour butyl: grey

PROCESSING GUIDELINES

EPDM Foil + Butyl is self-adhesive and is processed without the use of open fire. The substrate must be clean, dry and dust-free. Degrease preferably with methylated spirit, depending on the substrate. Porous or absorbing substrates, such as prefab, poured, aerated concrete, lime-sand stone, masonry must be pre-treated with Celdex Butyl Primer. Remove the release liner at the bottom of the strip. Do this in parts in case multiple surfaces must be processed. Place the product on the substrate and ensure that “the seam” in the connection between floor and wall is properly closed. Then apply extra pressure with the Celdex Pressure Roller, so the self-adhesive butyl layer properly adheres to the substrate. In case of lower outdoor temperatures, it may be wise to first activate the butyl layer. This can be done by carefully heating the EPDM side by use of a manual hot air blow dryer. Subsequently firmly roll again with a Celdex Pressure Roller. Test whether the EPDM Foil + Butyl adheres well to the substrate. In order to prevent sliding off in case of vertical installation, the butyl tape must be attached additionally mechanically. If EPDM Foil + Butyl is used as a replacement of bitumen tape, all bitumen and grease residues will need to be removed with a solvent, while the width of the butyl tape must be at least 5 cm wider than the old material. 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

Colour	Black (EPDM foil) Grey (Butyl)
Adhesive	Butyl rubber
Thickness	1.3 mm
Weight	1.4 kg/m ²
Tensile strength (EN 12311-2B)	≥ 6 N/mm ²
Elongation at break (EN 12311-2B)	≥ 400 %
Tear strength (EN 12311-2B)	≥ 50 N
Shear strength seam connection (EN 12317-2)	≥ 200 N/50 mm
Water resistance (EN 1928)	Complies
Water vapour diffusion coefficient (EN 1931)	170.000 μ
Service temperature range	-20 °C to +80 °C
Application temperature	> +5 °C
Shelf life at storage temperature 20 °C	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.