



PE Foam Fillers

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Celdex PE Foam Fillers are custom made profiled insulating and sealing products made out of polyethylene foam. This product is primarily used as a durable sealant for profiled steel roof and wall structures. PE Foam Fillers provide protection against moisture, draft, heat loss and noise.

PROPERTIES

PE Foam Fillers prevent intrusion of water, wind, moisture, pests, dirt and noise. The products are available in various polyethylene foam qualities and densities, in grey or white. PE Foam Fillers increase the quality of roof and facade structures and are easy to install. They serve multiple purposes: as a sealant of profiled metal roof and wall cladding; as a sealant in steel floor decking while pouring concrete; as a sealant between walls and profiled metal roof cladding; or as a sealant and spacer in rooflight constructions.

CHARACTERISTICS

- Cross-linked closed-cell polyethylene foam
- Easy to install
- Prevent intrusion of wind, moisture, pests and dirt
- Durable roof and facade constructions
- Eco-friendly and chemically neutral

- With or without adhesive backing
- Colour: grey or white

PROCESSING GUIDELINES

Thoroughly remove dust, dirt and grease from the substrate with neutral Celdex Cleaner. Position PE Foam Fillers receding at least 5 cm, near the fasteners. On request the foam fillers can be made self-adhesive on the profile side and/or base side. In case of extreme deformation of roofing and wall sheets, custom shapes can be produced. We recommend to use Celdex EPDM Foam Fillers in case of high ambient temperatures or in aggressive environments. When good acoustic or fire resistant properties are required, stone wool products should be used. As a protection in case of deterioration by birds and/or pests, PE Foam Fillers can be applied with an aluminium foil.



SAFETY

No specific safety guidelines are required 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

Density	Approx. 28 kg/m ³
Shore hardness (00)	52
Colour	Grey or white
Airtightness (NEN/EN 12207)	Class 4
Airtightness (NEN 2687)	Class 3
Airborne sound insulation (ISO 10140-2:2012) (Rw)	39 (-1;0) dB / 45 (0;-1) dB (PE + stone wool + PE)
Thermal conductivity	0.034 W/mK
Water absorption (ISO 2896)	Max. < 1 %
Tensile strength (ISO 1926)	280 kPa
Elongation at break (ISO 1926)	110 %
Service temperature range	-30 °C to +100 °C
Available thicknesses	18, 25, 30 en 50 mm / others on request
Joint type	Heavily profiled (custom made)
UV-resistance	Good
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.