

Airseal Foam Fillers

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Celdex Airseal Foam Fillers are made from semi-closed-cell polyurethane foam (fitted with a TPU top layer on both sides), custom made, profiled sealing products. The products are applied as durable sealing in profiled steel roof and wall constructions or other applications that require customisation. Airseal Foam Fillers provide protection against draught, heat loss and noise.

PROPERTIES

Airseal Foam Fillers offer protection against draught, dust, heat loss and noise in indoor applications. Airseal Foam Fillers are produced oversized and can be easily compressed. This creates a tight fit and a perfect air and acoustic sealing. The foam fillers enhance the quality of roof and wall constructions and can easily be installed. As an airtight sealing of metal roof and wall constructions and for the connection of walls with profiled roof sheeting.

CHARACTERISTICS

- Semi-closed-cell polyurethane foam
- Easily compressable
- Easy to install
- Air and acoustic sealing for indoor applications

- More durable roof and façade constructions
- Eco-friendly and chemically neutral
- Custom made
- Colour: grey/white foam + black TPU

PROCESSING GUIDELINES

Thoroughly remove dust, dirt and grease from the substrate with neutral Celdex Cleaner. Position Airseal Foam Fillers receding at least 5 cm, near the fasteners. The fillers are produced oversized. In case of extreme deformation of roof sheeting and wall cladding, adjusted shapes can be produced. To achieve fire-resistant properties, combine with Celdex Stone Wool Blocks.



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

Density (ISO 845)	Approx. 34 kg/m ³
Compressibility (ISO 3386/1)	8-10 kPa
Colours	Grey or white with black top layer
Fire behaviour (FMVSS 302)	< 100 mm/min
Airtightness (NEN/EN 12207)	Class 4
Airtightness (NEN 2687)	Class 3
Airborne sound insulation (ISO 10140-2:2012) (Rw)	39 (-1;-1) dB (applied once) / 44 (-1;-1) dB (applied twice)
Insulation value	Rd 1.2 m ² K/W
Thermal conductivity	0.033 W/mK
Water absorption (ISO 2896)	Max. < 1 %
Tensile strength (ISO 1798)	165 kPa
Elongation at break (ISO 1798)	> 145 %
Service temperature range	-40 °C to +120 C
Available thicknesses	40 mm / others on request
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.