



Airseal Strips

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Celdex Airseal Strips are custom made sealing products from semi-closed-cell polyurethane foam (fitted with a TPU top layer on both sides). The strips are applied as durable air, thermal and acoustic sealing of the home-separating air-gap, as a sealing of façade-closing elements or other applications that require customisation.

PROPERTIES

Airseal Strips offer protection against draught, dust, heat loss and noise for indoor applications. Airseal Strips are produced oversized and can be easily compressed. This creates a tight fit and a perfect air, thermal and acoustic sealing. The strips enhance the quality of roof and wall constructions and can easily be installed. Tested on airtightness: class 4 (NEN/EN 12207) & class 3 (NEN 2687).

CHARACTERISTICS

- Semi-closed-cell polyurethane foam
- Easily compressible
- Easy to install
- Air, thermal and acoustic sealing for indoor applications
- Ensures durable roof and wall constructions

- Custom made
- Colour: grey/white foam + black TPU

PROCESSING GUIDELINES

Thoroughly remove dust, dirt and grease from the substrate. Use the correct strip measurement for each joint width. The strips are produced oversized. The TPU top layer forms the top and bottom side of the strip. Apply without stretch. The strips can be applied clamping by means of compressing, while imperfections will be sealed. For a correct sealing, allow the foam strip to fit well to both jointing surfaces. Compress the strip under an angle of approx. 90° with overlength and glue butt joints using contact adhesive.



Seal4Prefab

Airseal Strips are part of the Seal4Prefab sealing system. The system consists of an airtight, insulating and driving rain seal. Seal4Prefab has been specifically developed for the prefab construction & industry.

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 (ISO 3795)	< 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
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.