



## Airseal Roof Duct Cuff

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Celdex Airseal Roof Duct Cuff is a specially developed sealing cuff that can be used for multiple tube diameters in different roof pitches. The sealing cuff complies with the highest airtightness requirements for energy-efficient building. The robust steel follower plate additionally ensures a reliable airtight connection with the roof surface.

### PROPERTIES

Airseal Roof Duct Cuff consists of a soft and elastic airseal soft cuff, that is covered by a steel follower plate. The sealing cuff can easily be installed and is suitable as an airtight layer for roof penetrations for indoor applications. The product is available in two designs, as standard. Other variants available on request. For any deviating models, please contact our sales department.

### CHARACTERISTICS

- Durable elastic cuff
- Robust steel follower plate
- Airtight tested (EN 12114 to 1,000 Pa)
- Insulating ( $\lambda$ -value 0.034 W/mK)
- Suitable for roof pitches of 0-48°
- Suitable for tube diameters of 80-180 mm
- Colour of follower plate: powder coated RAL 9016 white

### DESIGNS

- |                       |                   |
|-----------------------|-------------------|
| Transit: Ø 80-125 mm  | Roof pitch: 0-48° |
| Transit: Ø 115-180 mm | Roof pitch: 0-48° |

### PROCESSING GUIDELINES

Keep the Airseal Roof Duct Cuff in its packaging as long as possible, to prevent damage to the lacquering. Use the correct roof duct measurements for airtight sealing. Place the sealing cuff before they are attached to the installation. Position the cuff tension-free, to prevent cracks around the tubes. Ensure that the entire opening in the roof surface is sufficiently covered (at least 3 cm on all sides). In order to prevent that screws penetrate the vapour barrier of the roof element, the follower plate may only be screwed using the included 4x20 mm screws. For a better connection to the roof opening, the cuff can be carefully detached and turned.



## 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

Tube diameters	80-125 mm + 115-180 mm
Roof pitch	0-48°
Density Airseal duct cuff	Approx. 34 kg/m <sup>3</sup>
Colour Airseal duct cuff	Grey with black top layer
Thickness Airseal duct cuff	15 mm (8 mm installed)
Compressibility Airseal duct cuff	Approx. 5 kPa
Follower plate	0.75 mm galvanised steel, RAL 9016 white
Fire behaviour (ISO 3795)	< 100 mm/min
Airtightness (EN 12114-1.000 Pa)	0.02 m <sup>3</sup> /h.m (SHR report 17.0490)
Airtightness (NEN/EN 12207)	Class 4 (SHR report 17.0490)
Airtightness (NEN 2687)	Class 3 (SHR report 17.0490)
Air Permeability (c-value)	0.000002 dm <sup>3</sup> /s.m.Pan (SHR rapport 17.0490)
Service temperature range	-40 °C to +120 °C
Thermal conductivity	0.034 W/mK
Joint type	Flat, parallel
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.*