



## Airseal Foam Fillers (hollow-core slabs)

07.2021

Celdex Airseal Foam Fillers are custom made produced, profiled sealing products. Airseal Foam Fillers consist of a combination of semi-closed-cell polyurethane foam with excellent airtight and insulating properties, fitted double-sided with a rainproof TPU top layer.

### PROPERTIES

Airseal Foam Fillers prevents heat, air and energy loss and offers protection against moist, draught and noise. The fillers were developed specifically for the airtightness of hollow-core slabs and are standard supplied with the u-butt joints. Based on the applied hollow-core slabs, Airseal Foam Fillers are custom made oversized. The product is applicable for all types of hollow-core slabs, are not dependent on weather conditions and are quick and easy to assemble. Airseal Foam Fillers prevent air leakage, energy loss through hollow-core slabs and moisture transport from the crawlspace.

### CHARACTERISTICS

- Not dependent on weather conditions, quick and easy to assemble
- Excellent airtight and insulating properties
- Tested on airtightness (SHR-report 12.0107-1)
- Prevents heat, air and energy loss

- Protects against moist, pests and noise
- Standard supplied with the u-butt joints
- Foil colour: black
- Foam colour: grey or white

### PROCESSING GUIDELINES

For an optimal sealing, mortar residue and glue strands must be removed. Processing of the product is not dependent on temperature or weather conditions. Use the correct Foam Filler for every type of hollow-core slab. The fillers must be sufficiently compressed to meet the airtightness requirement. They are standard supplied with the u-butt joints. Store the product in its closed original packaging.



*\*Airseal Foam Fillers are standard supplied with the u-butt joints.*

## SAFETY

No specific safety guidelines exist for this product. Wear Personal protective equipment (PPE) when using Butyl Primer. Ask before use the Safety Data Sheet of Celdex Butyl Primer.

## 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 <sup>3</sup>
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)
Durability	BRL 2804-1 aging
Insulation value	Rd 1.2 m <sup>2</sup> 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.*