

Metal Roof Deck Infills

08.2024

Celdex Metal Roof Deck Infills were developed specifically as acoustic and fire-resistant insert in slabs of metal roof constructions. Metal Roof Deck Infills are acoustic damping and serve as an improvement of the sound absorption of a perforated metal roof deck. The infills are made from glass wool as standard. Stone wool can be provided on request.

PROPERTIES

Metal Roof Deck Infills are custom made and can be sealed in black PE-foil if required. The product offers protection against noise, fire and heat loss. The material of the fillings consists of an uncoated glass wool or stone wool with a fire rating A1 (according to EN 13501). Sealed in black PE-foil, Metal Roof Deck Infills complies with fire rating B-s1,d0 (according to EN 13501). In addition, optimal sound absorption can be achieved with the infills.

CHARACTERISTICS

- Fire-resistant profiled glass wool or stone wool
- Custom made
- With or without black PE foil sealing
- Protects against noise, fire and heat loss

- Fire rating A1 (unsealed)
- Fire rating B-s1,d0 (sealed)
- Colour glass wool and stone wool: yellow
- Colour PE-foil: black

PROCESSING GUIDELINES

Clean the substrate. Use the correct Metal Roof Deck Infills size for every profiled metal deck. Place the infills in the slabs and neatly fit the ends together. The Metal Roof Deck Infills ensure an optimal sound absorption of a perforated metal roof deck.



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	STONE WOOL	GLASS WOOL
Density	24-50 kg/m ³	16 kg/m ³
Thermal conductivity	0.035 W/mK	0.037 W/mK
Fire class (unsealed)	A1	A1
Fire class (sealed)	A2-s1,d0	A2-s1,d0
Sound absorption coefficient (Pro 106, Perfo 3, sealed)	0.65	0.70
Standard length	1,200 mm	1,200 mm
Colour	Yellow	Yellow
Colour PE Foil	Black	Black

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.