



Stone Wool Blocks

03.2023

Celdex Stone Wool Blocks are custom made, fire-resistant, profiled sealing materials, based on a high density stone wool. The blocks offer protection against fire, draught, dust, heat loss and noise. Applicable in profiled steel roof- and wall cladding or for other applications that require customisation and fire-resistance.

PROPERTIES

Stone Wool Blocks are cut in the shape of the profiled roof plate. The basic material of the blocks consists of an uncoated stone wool with fire rating A1. In addition, Stone Wool Blocks allow for an optimal sound absorption.

CHARACTERISTICS

- Fire-resistant profiled stone wool
- High density stone wool
- Protects against fire, draught, moist, heat loss and noise
- Custom profiled
- Easy installation
- Colour: yellow

PROCESSING GUIDELINES

Check whether the supplied products correspond with your order and check on any transport damage. Use the correct block for every type of roof plate. Stone Wool Blocks are custom made and easy to install. For optimal sealing, mortar residue and glue strands should be removed. Carefully position the Stone Wool Block beneath the roof plate. For good sealing, it must properly fit all around. If, due to walking on the roof plate, the block does not fit properly anymore, additionally seal present joints and cracks with fire-resistant polyurethane foam or silicone sealant. Store the product in its closed original packaging.



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

Density (ISO 845)	80 & 100 mm 90 kg/m ³
Colour	Yellow
Fire behaviour (Euroclass) (EN 13501-1)	A1 (non-flammable)
Sound absorption coefficient (AW1) (EN ISO 11654)	1.0
Water absorption (EN 1609)	< 1.0 kg/m ²
Insulation value	80 mm – Rd = 2.20 m ² K/W 100 mm – Rd = 2.75 m ² K/W
Airborne sound insulation (ISO 10140-2:2012) (Rw)	30 (-1;-2) dB (applied once) / 45 (-1;-2) dB (applied twice) 45 (0;-1) dB (PE + stone wool + PE)
Thermal conductivity (EN 12667)	≤ 0.036 W/mK
Vapour diffusion resistance (EN 12086)	≤ 1%
Standard thicknesses	80 and 100 mm
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.