

Flute filler

Acoustical insulation for profiled roofs

General

The flute fillers of Insulation Solutions were developed specially as an acoustical inlay in the flutes to improve the sound absorption of perforated profiled steel roof slabs.

The flute fillers are made of glass wool, but on request are also available in rock wool.

Dimensions

The flute fillers are cut to shape to fit the type of profiled roof slab and sealed all round by black PE film. As standard they are produced for profiles 106, 135, 153, 158 and 200. The length of the sealed-in flute is approximately 1200 mm.

Technical specifications

The base material of the flute filler is uncovered glass wool or rock wool with fire classification A1 in accordance with EN13501. When sealed all round with black PE film, the flute filler satisfies fire classification B-s1,d0 in conformity with EN13501. The report on these properties is obtainable on request. The flute fillers further allow optimum sound absorption, measured in the various roof strictures. Acoustical reports are also obtainable on request.

Properties (glass and rock wool filler)*	value	Unit
Density	16.5	kg/m ³
Heat conduction coefficient λ_D	0.037	W/mK
Fire classification	B-s1,d0	
Length	1200	mm

Properties (rock wool filler)*	value	Unit
Density	24-40	kg/m ³
Heat conduction coefficient λ_D	0.035	W/mK
Fire classification	B-s1,d0	
Length	1200	mm

(*) These products have been tested to the standards stated in this product sheet. We advise you to contact us if you have any questions about the field of application, dimensions and usage.

Contact details

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Delivery

As standard the flute fillers are delivered in plastic bags and may be ordered based on full bags. The quantities per bag are indicated below.

Quantities per bag (glass wool filler)	Qty	Unit
Profile	80	items
Profile 135	50	items
Profile 153	50	items
Profile 158	50	items
Profile 200	25	items
Quantities per bag (rock wool filler)	Qty	Unit
Profile 106	70	items
Profile 135	30	items
Profile 153	30	items
Profile 158	30	items