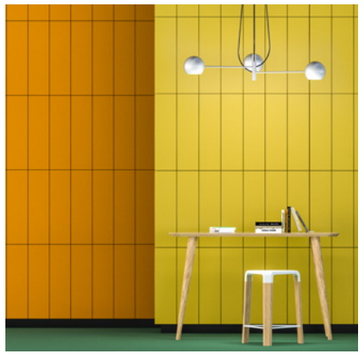
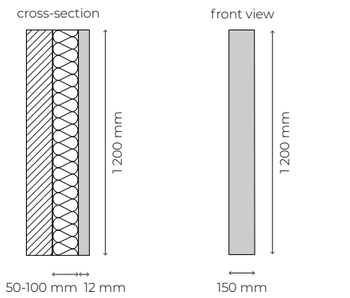


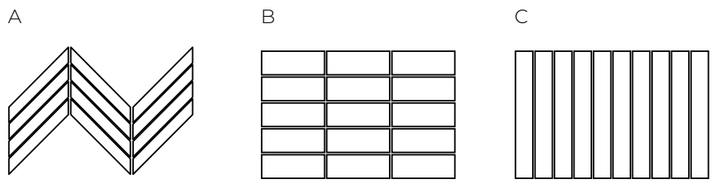
SlotBar

absorption · low tones · mid tones

SlotBar is a modular sound-absorbing system. Its properties result from specifically designed slot system which maintains optimum acoustic conditions and provides innovative shape. The whole structure guarantees sound absorption in the low frequency range. SlotBar can be used as a standalone system or in addition to our OptiDi diffuser.



pattern version



Size
150 x 1 200 x 12 mm

Minimum thickness of a single element is 12 mm.
Substructure with absorbing material (e.g. mineral wool) is 50-100 mm thick (depending on the absorption needed).

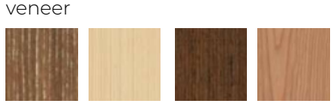
Weight
10 kg/m² (substructure not included)

Material
MDF

Available in any colour from the RAL palette or natural veneer.

RAL

veneer



Designer
Architected Sound Team

Country of production
Poland

Category
absorption

Description
SlotBar properties allow the absorption of sound in the low frequency range with relatively small thickness of the structure, which is particularly desirable in small sized studio rooms.

It is possible to precisely design the range of sound absorption in the low frequencies due to specially developed slot system with a variable gap width, supported by the use of acoustic nonwovens and an invisible layer of material with appropriately selected acoustic properties.

Optional installation of teletechnical, electrical equipment and executive modules inside the system.

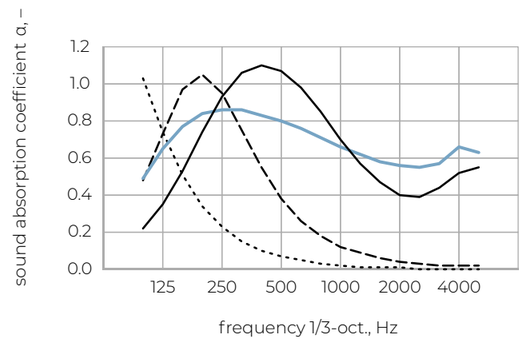
Sound absorption coefficient
$\alpha_{w,\,max}$ = 0.60

Application
Concert halls, performance rooms, recording rooms, waiting rooms, classrooms in musical schools, offices, conference rooms, consumer spaces, home listening rooms.

Custom-made
Large diversity of sizes in design and installation solutions available, which enables designing and installing the module of external sizes required for current localization.

Fire safety
Possibility of making the system out of materials with flammability class at least D-s1.

Architected Sound SlotBar – sound absorption coefficients



Practical sound absorption coefficient α_p

frequency 1/1-oct.	·------·	– – – – –	———	———
125 Hz	0.75	0.75	0.35	0.65
250 Hz	0.25	0.90	0.90	0.85
500 Hz	0.05	0.40	1.00	0.80
1000 Hz	0.00	0.15	0.70	0.65
2000 Hz	0.00	0.05	0.40	0.55
4000 Hz	0.00	0.00	0.50	0.60

·------· percentage share of the slot 1%, mineral wool 100 mm, o.d.s. 112 mm *
– – – – – percentage share of the slot 4%, mineral wool 50 mm, o.d.s. 62 mm *
——— percentage share of the slot 50%, mineral wool of high density 50 mm, o.d.s. 62 mm *
——— percentage share of the slot 50%, mineral wool of medium density 50 mm, o.d.s. 62 mm *

* results obtained from analytical calculations