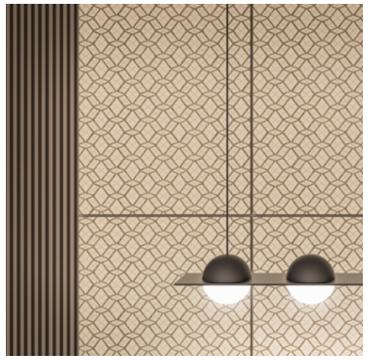
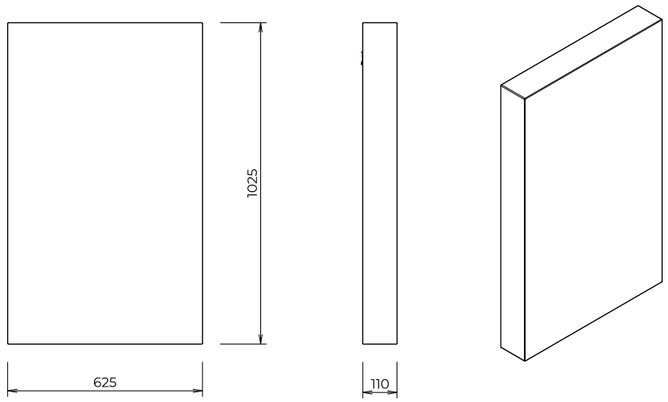


# Up-Sorber Panel

absorption | low tones | mid tones | high tones

Up-Sorber Panel is a timeless rectangular element designed to absorb low, middle and high frequency range and create comfortable, quiet environment. Despite its simple shape the possibilities are almost unlimited here – the structure consisting of Up-Sorber Panels can be designed as multicoloured composition of different panel dimensions, giving an individual character to any interior.




**Size**
standard dimensions:
625 x 1025 x 110 mm

matched to individual project
(max width 1200 mm)

**Weight**
13.4 kg/m² (at 50 mm depth)

**Material**
textile fabrics, mineral wool-based materials / PET / polyethylene foam, wood

Available in broad variety of plain and patterned finishing textiles.

**Designer**
Architected Sound Team

**Country of production**
Poland

**Category**
absorption

**Description**
Up-Sorber Panel is made of a layer of properly chosen biologically neutral sound absorbing material put into solid wooden grid and finished with highest class fabric.

Huge selection of colours and textile patterns in various sizes, accompanied with invisible wooden grid, as well as quick and uncomplicated mounting and disassembling in case of the on-wall and ceiling version. Up-Sorber Panel is a refined element of an interior design.

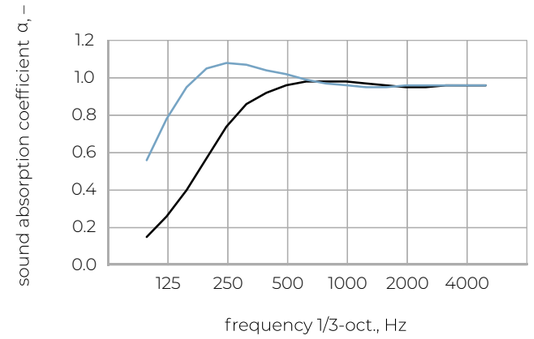
**Sound absorption coefficient**
$\alpha_{w,max}$ = 1.00

**Application**
Conference rooms, lecture rooms and classrooms, recording studios, control rooms, individual and group rehearsal rooms, waiting rooms, halls, public and consumer spaces, open-space and domestic interiors.

**Custom-made**
The ability to precisely design the sound absorption characteristics (even in the low frequency range) by choosing the right materials for coverage and filling.
Possibility to make inlets for lamps, etc.

**Fire safety**
Made of materials with flammability class at least B-s1 d0.

Architected Sound Up-Sorber Panel – sound absorption coefficients




Practical sound absorption coefficient $\alpha_p$

| frequency 1/1-oct. | | |
|---|---|---|
| 125 Hz | 0.75 | 0.25 |
| 250 Hz | 1.00 | 0.70 |
| 500 Hz | 1.00 | 0.95 |
| 1000 Hz | 0.95 | 1.00 |
| 2000 Hz | 0.95 | 0.95 |
| 4000 Hz | 0.95 | 0.95 |

at 50 mm depth of the element *
at 80 mm depth of the element *

* results obtained from analytical calculations