

UP-SORBER PANEL (LOW)

TEATR
VARIÉ

UP-SORBER PANEL (LOW)

Simplicity is always the key



absorption



low tones

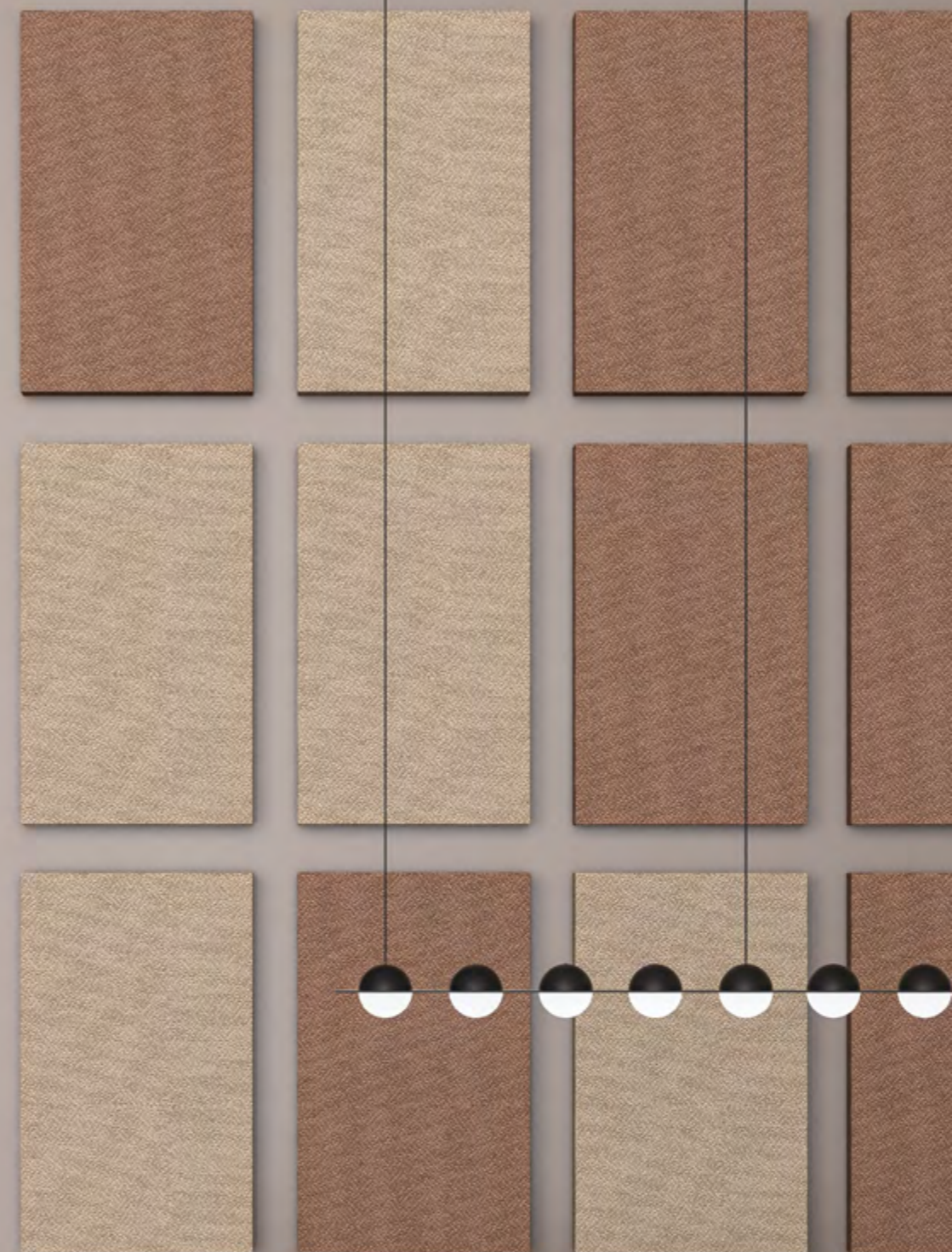


mid tones



high tones

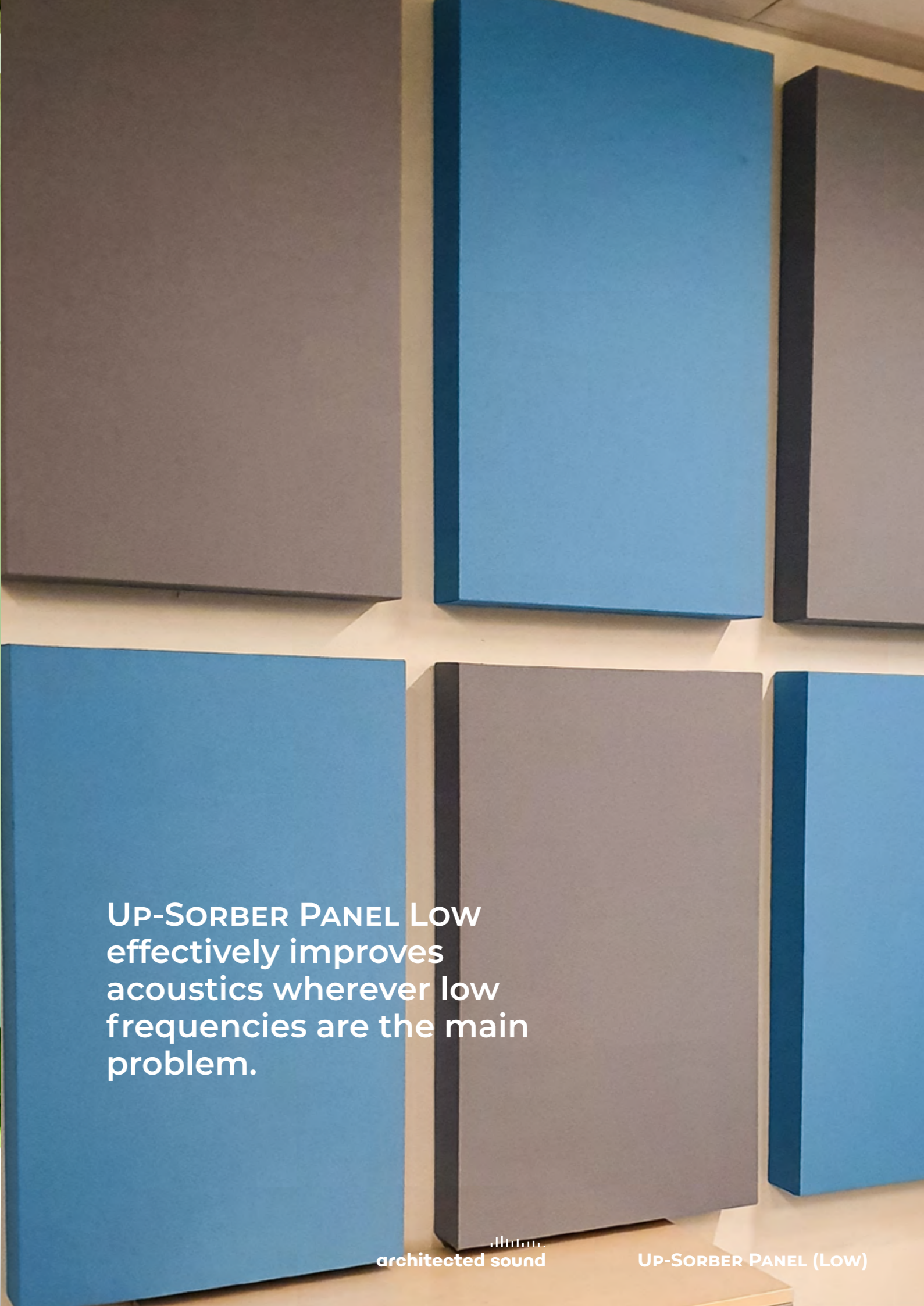
UP-SORBER PANEL is our take on a classic sound-absorbing treatment, combining simple form, acoustic function, and architectural order.





UP-SORBER PANEL (LOW)

architected sound



UP-SORBER PANEL LOW
effectively improves
acoustics wherever low
frequencies are the main
problem.

architected sound

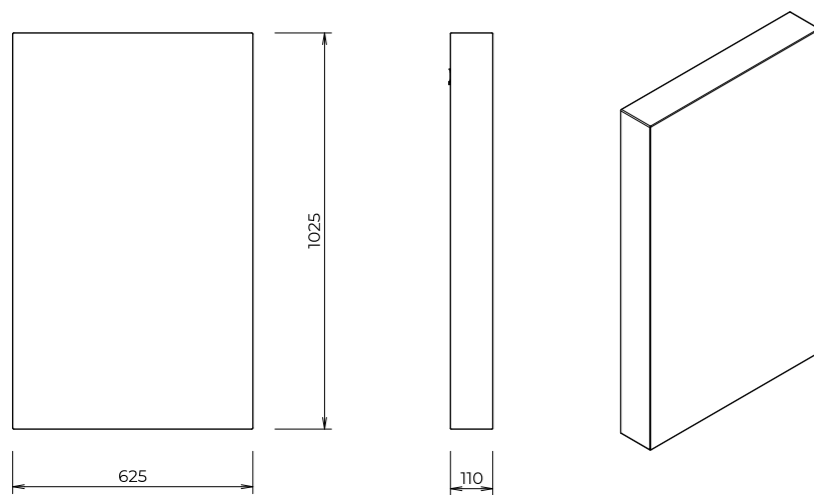
UP-SORBER PANEL (LOW)



UP-SORBER PANEL (LOW)



It is an acoustic panel that reduces reverberation and improves acoustic comfort, while also bringing visual order to the interior. Its simple upholstered form offers considerable compositional freedom – from calm, regular layouts to more expressive arrangements. The choice of size and finish colour makes it possible to adapt the product to the character of the space or turn it into a strong decorative feature.



Size
standard:
625 × 1025 × 110 mm
or made to an individual design,
while maintaining a constant panel
thickness of 110 mm

Weight
approx. 10 kg (for a panel in standard
dimensions)

Material
wood-based material, textiles
(available in a wide range of colours),
sound-absorbing material

Designer
Architected Sound Team

Country of production
Poland

Category
absorption

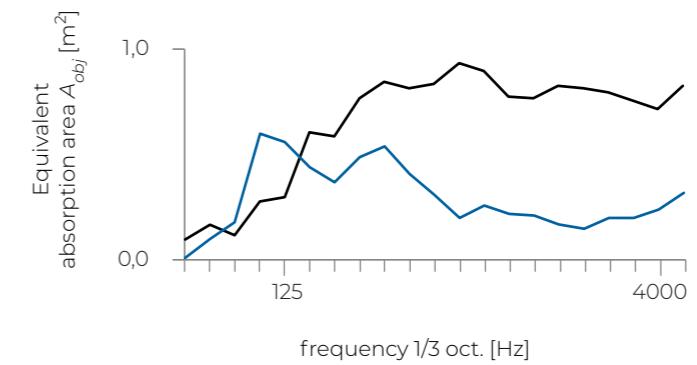
Acoustic properties
Up-Sorber Panel:
– sound absorption class according
to PN-EN ISO 11654: A
– weighted sound absorption coefficient
according to PN-EN ISO 11654:
 $\alpha_w = 1,00$
– Sound Absorption Average
to ASTM C423, 2017: SAA = 1,00
– Noise Reduction Coefficient
to ASTM C423, 2017: NRC = 1,00

Up-Sorber Panel Low:
– sound absorption class according
to PN-EN ISO 11654: D
– weighted sound absorption coefficient
according to PN-EN ISO 11654:
 $\alpha_w = 0,35$ (L)
– Sound Absorption Average
to ASTM C423, 2017: SAA = 0,45
– Noise Reduction Coefficient
to ASTM C423, 2017: NRC = 0,45

Description
A modular sound-absorbing panel
designed for direct wall mounting.
It is made of a carefully selected
absorbing layer set within a stable
structure and finished with high-qu-
ality fabric.
The product is available in two ver-
sions. The Up-Sorber Panel version
is intended to reduce reverberation
and absorb sound across a wide
frequency range. The Up-Sorber Pa-
nel Low version, thanks to its special
construction and carefully selected
acoustic filling, has been optimised
for performance in the low-frequen-
cy range.

Custom-made
The panels can be manufactured
in custom dimensions to meet indi-
vidual requirements. Technological
cut-outs can also be made, for exam-
ple for lighting fixtures.

Architected Sound Up-Sorber Panel (Low) – equivalent absorption area



Equivalent absorption area – A_{obj}

frequency 1/1 oct.	—	—
125 Hz	0,41	0,53
250 Hz	0,75	0,47
500 Hz	0,88	0,31
1000 Hz	0,83	0,23
2000 Hz	0,83	0,17
4000 Hz	0,78	0,25

— Up-Sorber Panel
— Up-Sorber Panel Low

Application
Lecture halls, conference rooms,
classrooms, recording studios,
broadcast rooms and control rooms,
group and individual rehearsal ro-
oms, waiting areas, public and com-
mercial spaces, offices, open-plan
interiors, and residential spaces.

Fire safety
Made of materials with a reaction-to-
fire classification of at least B-s1, d0.

The acoustic absorption performance of UP-SORBER PANEL (LOW) allows it to be used in professional, public, and residential interiors to reduce reverberation time and prevent multiple echo.



Architected Sound

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