

ACUPANELS

Acupanels are made of high-quality real wood veneers backed onto an MDF core. The lamellas measure 27 x 11 mm and are mounted onto a 9 mm felt-like backing that has acoustic properties.

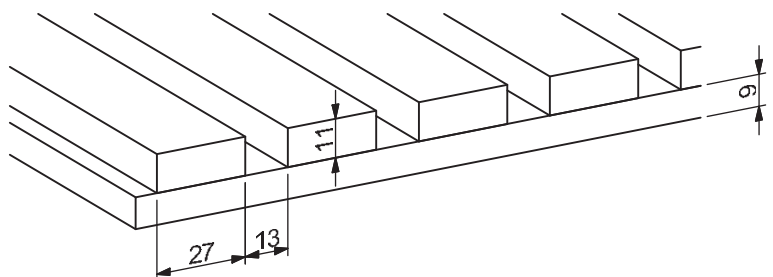
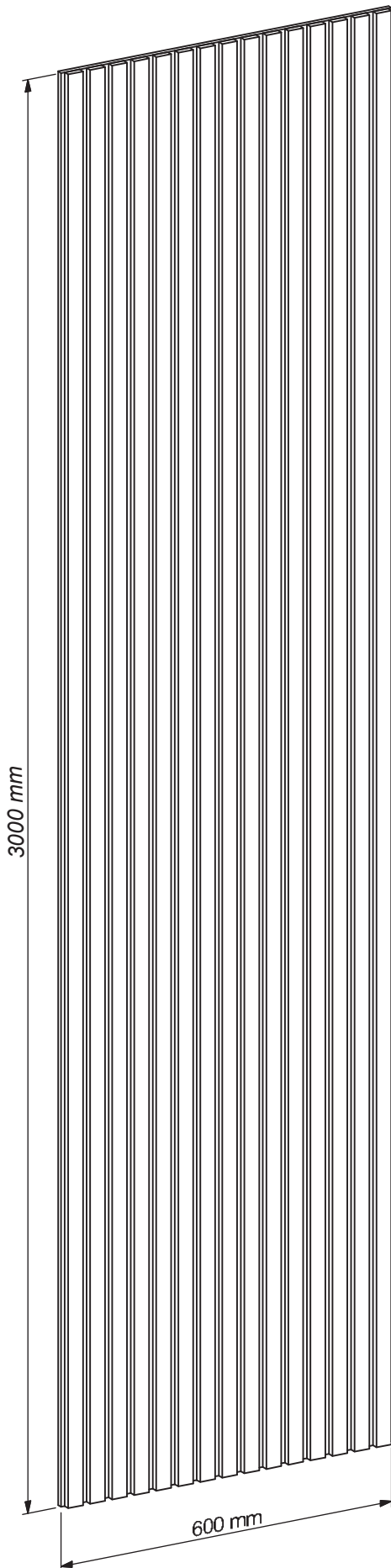
Info:

Dimensions: 2400 x 600 x 20mm - 3000 x 600 x 20mm - 3600 x 600 x 20mm.

Permitted length ranging: +/-3mm per meter.

Properties of wood veneer:

Since the panels are produced by real wood veneer, the hue of the wood can vary from batch to batch.



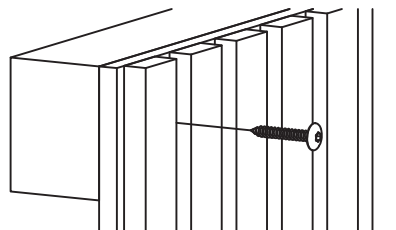
Made in Denmark

Installment

Acupanels can be mounted onto both walls and ceilings.

We recommend mounting the panels onto 45mm battens separated by maximum 600 mm. It is possible to mount the panels directly onto the wall.

The mounting screws are placed between the lamellas through the felt-like backing. We recommend using minimum 15 screws per panel.



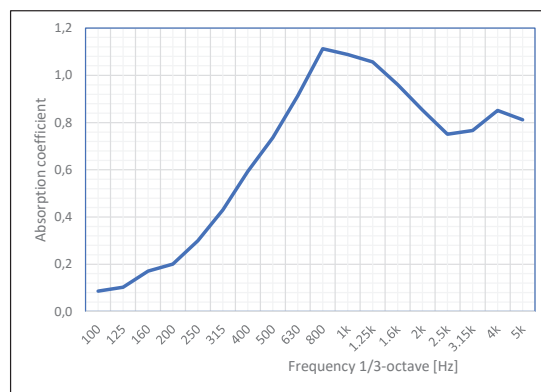
Sound Absorption

Measurement of sound absorption coefficient acc. DS/EN ISO 354:2003

Mounting: Spacing 45mm behind panels. Closed frame around edges.

Test Area 15.84 m² Sab - Room volume 215 m³ - Room surface area 238 m²

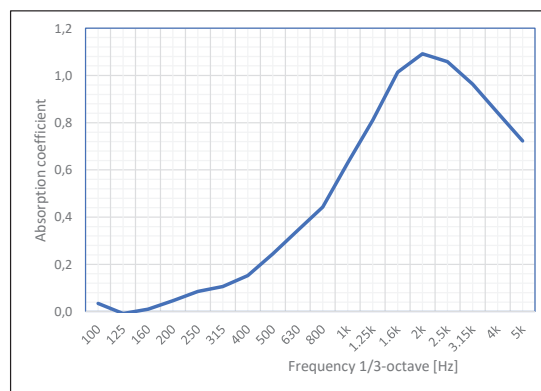
Freq. Hz	α_s
100	0.09
125	0.10
160	0.17
200	0.20
250	0.30
315	0.43
400	0.59
500	0.74
630	0.91
800	1.11
1k	1.09
1.25k	1.06
1.6k	0.96
2k	0.85
2.5k	0.75
3.15k	0.77
4k	0.85
5k	0.81



Mounting: The 11 panels were laid out flat on the concrete floor in the reverberation test room. Closed frame around edges.

Test Area 15.84 m² Sab - Room volume 215 m³ - Room surface area 238 m²

Freq. Hz	α_s
100	0.03
125	-0.01
160	0.01
200	0.05
250	0.09
315	0.11
400	0.15
500	0.24
630	0.34
800	0.44
1k	0.63
1.25k	0.81
1.6k	1.01
2k	1.09
2.5k	1.06
3.15k	0.96
4k	0.84
5k	0.72



Tests

Formaldehyde test: Danish Technological Institute

Indoor climate test: Danish Technological Institute

Sound Absorption test: Danish Technological Institute

B-s-1, d0 (Applies only for polyester)

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