











































Acoustic panels for walls and ceilings

PRODUCT INFORMATION

WOOD PANELS

WOOD PANELS



 Veneer	 Core	 Felt	 Dimensions	 m ²	 Weight
American Walnut			20 x 600 x 2400 mm	1,44	9,7 kg
American Walnut oiled			20 x 600 x 2400 mm	1,44	9,7 kg
Ash			20 x 600 x 2400 mm	1,44	9,7 kg
Beech			20 x 600 x 2400 mm	1,44	9,7 kg
Oak			20 x 600 x 2400 mm	1,44	9,7 kg
Oak oiled			20 x 600 x 2400 mm	1,44	9,7 kg
Grey Oak			20 x 600 x 2400 mm	1,44	9,7 kg
Smoked oak			20 x 600 x 2400 mm	1,44	9,7 kg
Mhogany			20 x 600 x 2400 mm	1,44	9,7 kg
American Walnut			20 x 600 x 3000 mm	1,8	12,3 kg
Ash			20 x 600 x 3000 mm	1,8	12,3 kg
Beech			20 x 600 x 3000 mm	1,8	12,3 kg
Oak			20 x 600 x 3000 mm	1,8	12,3 kg
Smoked oak			20 x 600 x 3000 mm	1,8	12,3 kg
Mhogany			20 x 600 x 3000 mm	1,8	12,3 kg
Oak			20 x 600 x 3600 mm	2,16	14,6 kg
Ask			20 x 600 x 3600 mm	2,16	14,6 kg
American Walnut			20 x 600 x 3600 mm	2,16	14,6 kg

2

Products that fit the panel:

- Screws 4.5 x 45 mm. black
- Glue: 290ml. mounting glue
- Finishing slats

All our panels are made from FSC-certified wood and veneer.



Miljømerket for
ærenverdig skovbrug





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American Walnut



American Walnut Oiled



Ash



Beech



Grey Oak



Oak



Oak Oiled



Mahagony



Smoked Oak



Panel mounting



Figure 1:

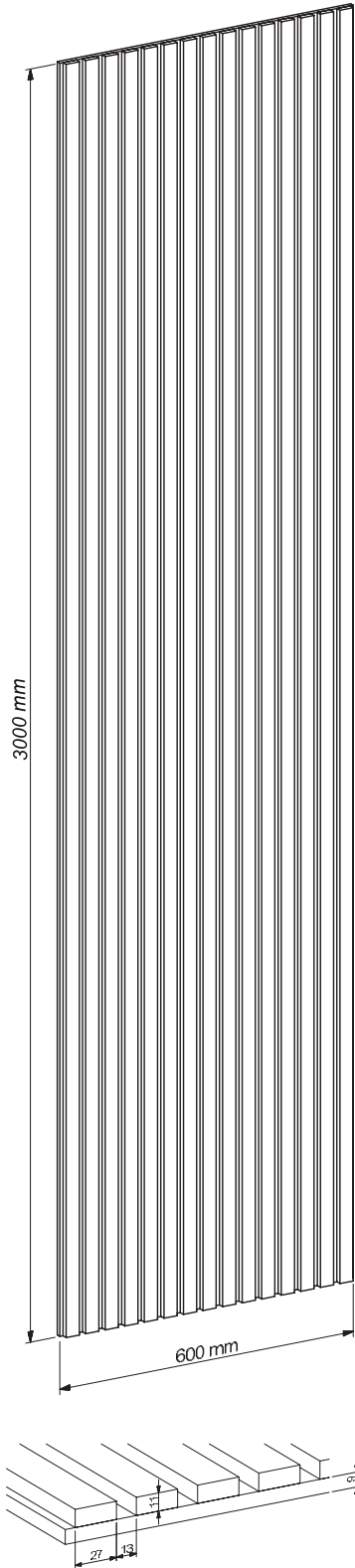
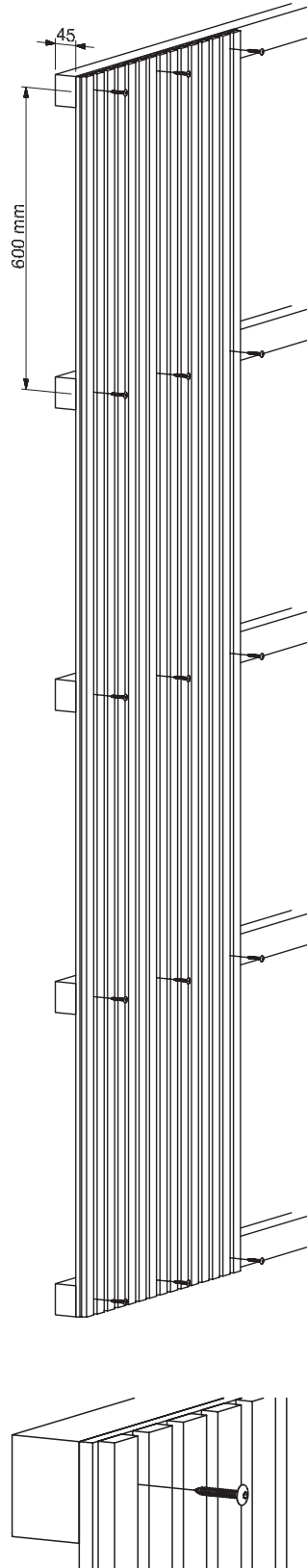


Figure 2:



Measurement of sound-absorption

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

Figure 3:

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

Test Area 10.8 m² Sab
Room volume 215 m³
Room surface area 305 m³

Frequency [Hz]	α_s
100	0.09
125	0.22
160	0.30
200	0.53
250	0.56
315	0.87
400	0.99
500	0.97
630	0.97
800	1.02
1k	1.02
1.25k	0.91
1.6k	0.90
2k	0.87
2.5k	0.80
3.15k	0.81
4k	0.77
5k	0.71

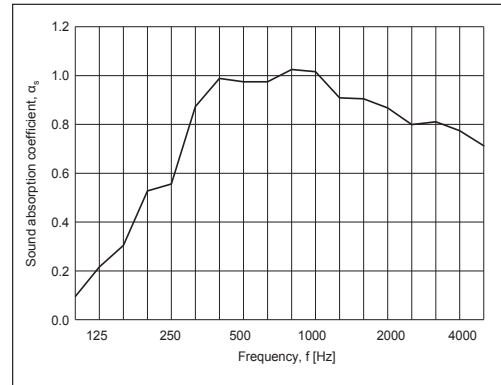
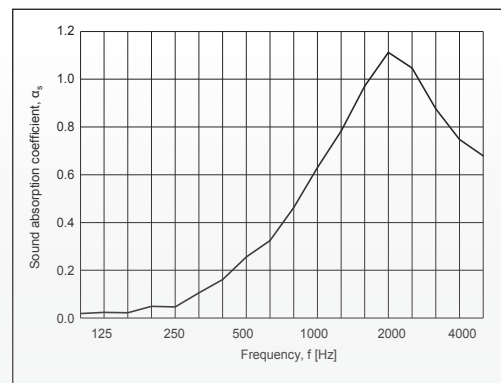


Figure 4:

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

Test Area 10.8 m² Sab
Room volume 215 m³
Room surface area 305 m³

Frequency [Hz]	α_s
100	0.02
125	0.02
160	0.02
200	0.05
250	0.05
315	0.11
400	0.16
500	0.26
630	0.32
800	0.46
1k	0.63
1.25k	0.78
1.6k	0.97
2k	1.11
2.5k	1.05
3.15k	0.88
4k	0.75
5k	0.68



Tests:

Formaldehyde test: Danish Technological Institute
Indoor climate test: Danish Technological Institute
Sound Absorption test: Danish Technological Institute





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