

Product information: Wood Panels



BY VENØ is a Danish manufacturer of acoustic wood wall and ceiling panels, and many other materials.

With the acoustic panels from BY VENØ, you can achieve a calm and soothing environment in your home, office or business area.

The panels have the capability of reducing noise by up to 50%, creating a calming component wherever they are installed.

The acoustic panels consist of an MDF board with wood veneer, mounted on a PET felt. PET is a non-woven material made from my 50% recycled plastic from plastic bottles.

Since the panels are produced from real wood veneer can the shades vary slightly on different panels parties.

At BY VENØ we produce panels in following dimensions: 2400 x 600 mm, 3000 x 600 mm, 3600 x 600 mm.

To ensure the highest quality on our acoustic panels, we always check the quality of our panels before they are shipped to our clients.

Contact information:

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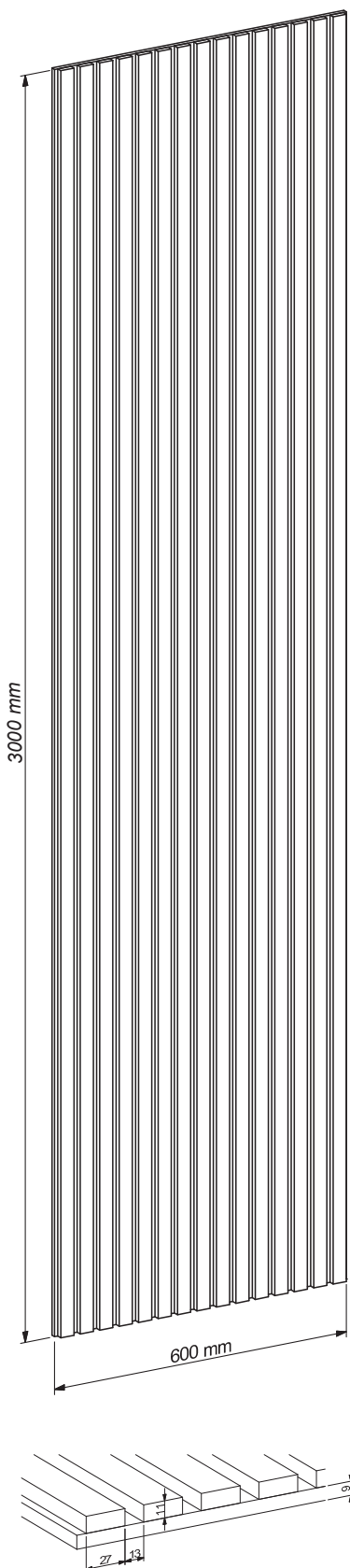
Wood Panels

Surface	Specifications	Dimensions	m ²	Weight
American Walnut	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Ash	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Beech	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Grey Rustic Oak	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Mahogany	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Oak	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Oak	Brown MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Rustic Oak	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Smoked Oak	Black MDF, Black/Grey/Brown Felt	20 x 600 x 2400 mm	1,44	10 kg
Surface	Specifications	Dimensions	m ²	Weight
American Walnut	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Ash	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Beech	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Grey Rustic Oak	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Mahogany	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Oak	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Oak	Brown MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Rustic Oak	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Smoked Oak	Black MDF, Black/Grey Felt	20 x 600 x 3000 mm	1,8	12,4 kg
Surface	Specifications	Dimensions	m ²	Weight
Oak	Black MDF, Black/Grey Felt	20 x 600 x 3600 mm	2,16	15 kg
Ash	Black MDF, Black/Grey Felt	20 x 600 x 3600 mm	2,16	15 kg
American Walnut	Black MDF, Black/Grey Felt	20 x 600 x 3600 mm	2,16	15 kg

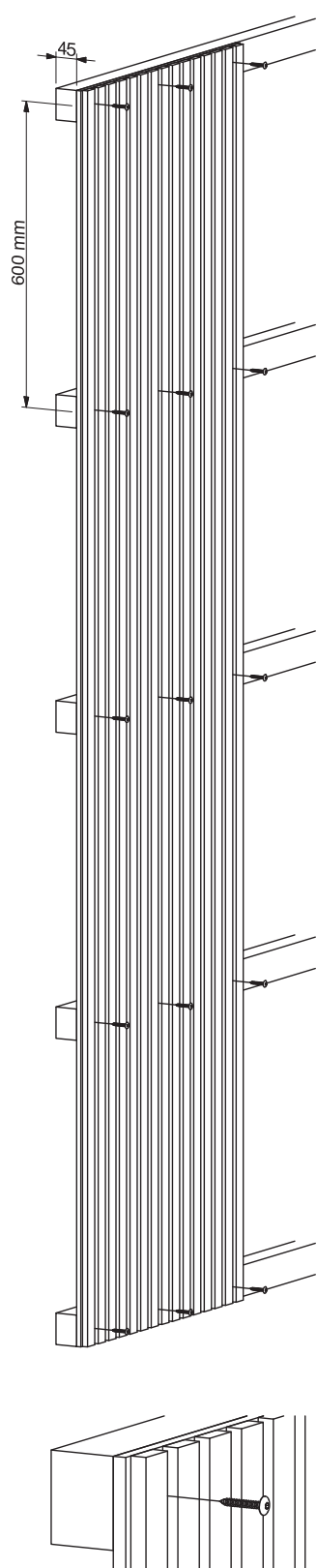


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Figur 1:



Figur 2:

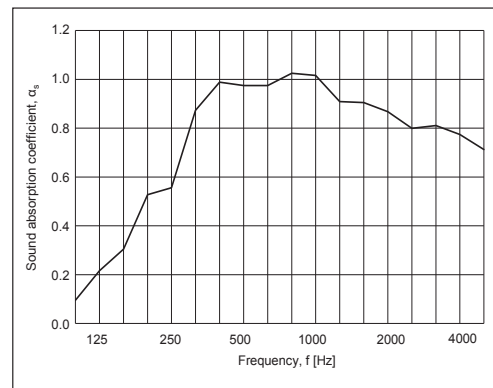


Figur 3:

Measurement of 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 m³.

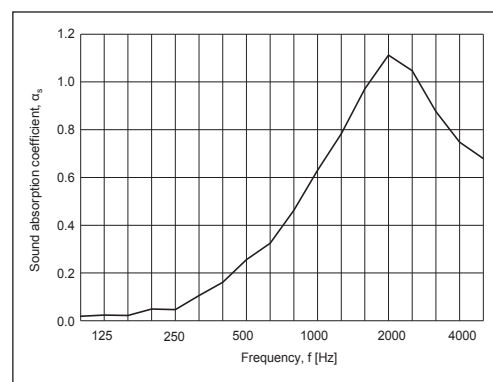
Frequency f [Hz]	α_s
100	0.09
125	0.22
160	0.30
200	0.53
250	0.56
315	0.87
400	0.99
500	0.97
630	0.97
800	1.02
1000	1.02
1250	0.91
1600	0.90
2000	0.87
2500	0.80
3150	0.81
4000	0.77
5000	0.71



Figur 4:

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 m³.

Frequency f [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
1000	0.63
1250	0.78
1600	0.97
2000	1.11
2500	1.05
3150	0.88
4000	0.75
5000	0.68



Tests:

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

B-S1-D0 (Applies only for polyester)



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