



Acupanel® Luxe Acoustic Wall Panel Range

Technical Sheet

Contents

Range information	Page 2
Dimensions	Page 3
Technical drawings	Page 4
Sound absorption	Page 6
Installation instructions	Page 7

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Range information

[View Range Online](#)

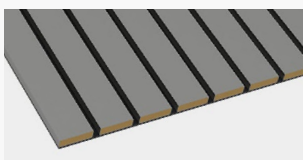
Acupanel® Luxe handcrafted acoustic panels for walls and ceilings can easily transform any modern space. They are easy to install yourself, instantly enhancing your bedroom, living room, or office into a refined, modern space.

There are three panel styles available:



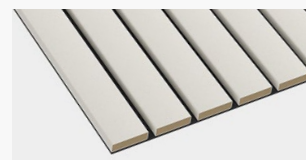
Luxe Wood

Produced with a luxury quality, smooth wood veneer finish, wrapped the whole way around the slat.



Luxe Colour

Produced with a luxury quality, three-sided melamine colour wrap, and smooth laminate finish.



Luxe Leather

Produced with a luxury quality, faux-leather wrapped finish with a modern appearance.

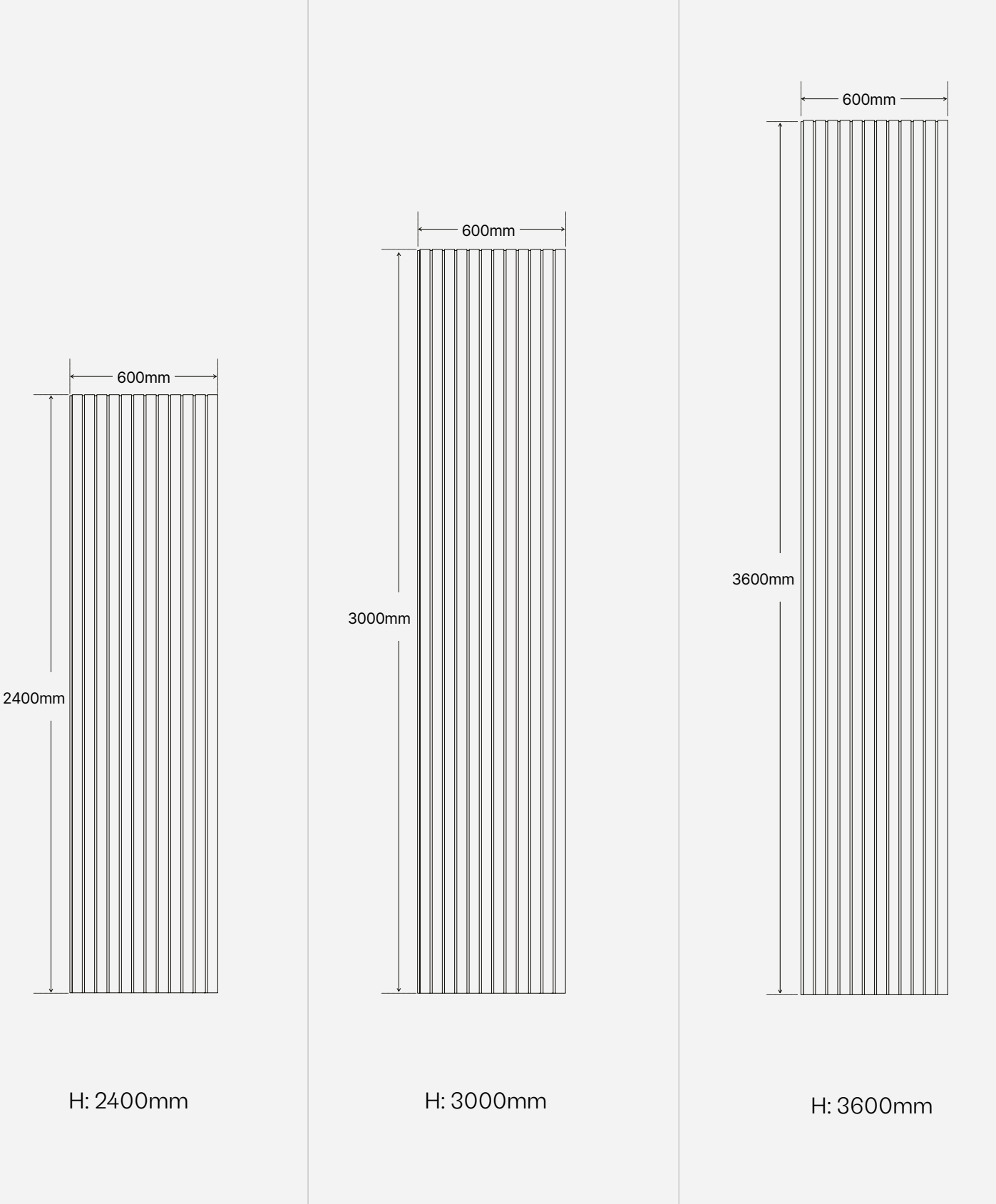
Acoustic properties	✓ Acoustic properties	✓ Acoustic properties	✓ Acoustic properties
Fire rating	✓ FR backing available	✓ FR backing available	✓ FR backing available
Moisture resistant	✗ Not moisture resistant	✗ Not moisture resistant	✗ Not moisture resistant
Wood finish options	✓ Oiled	✗ N/A	✗ N/A
Veneer material	🔲 Oiled real wood veneer	🔲 Colour Melamine	🔲 Faux leather
Look & feel	🔲 Consistent grain texture	🔲 Solid smooth texture	🔲 Leather texture
Care & maintenance	✓ Wipe panels with dry cloth	✓ Wipe panels with dry cloth	✓ Wipe panels with dry cloth

Dimensions

Product name		Material/s	Panel Dimensions (mm)	SQM	Weight (kg)
Luxe Wood					
	Acupanel® Luxe Natural Oak Acoustic Wood Wall Panels	Oiled Wood Veneer / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 19(D)	1.44SQM	12kg
			3000(H) x 600(W) x 19(D)	1.80SQM	13.5kg
			3600(H) x 600(W) x 19(D)	2.16SQM	161kg
	Acupanel® Luxe Natural Walnut Acoustic Wood Wall Panels	Oiled Wood Veneer / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 19(D)	1.44SQM	12kg
			3000(H) x 600(W) x 19(D)	1.80SQM	13.5kg
			3600(H) x 600(W) x 19(D)	2.16SQM	161kg
Luxe Colour					
	Acupanel® Luxe Colour Black Acoustic Slat Wall Panels	Melamine/MDF/ Acoustic Felt Backing	2400(H) x 600(W) x 19(D)	1.44SQM	12kg
			3000(H) x 600(W) x 19(D)	1.80SQM	13.5kg
	Acupanel® Luxe Colour Blue Acoustic Slat Wall Panels (Black Felt)	Melamine/MDF/ Acoustic Felt Backing	2400(H) x 600(W) x 19(D)	1.44SQM	12kg
			3000(H) x 600(W) x 19(D)	1.80SQM	13.5kg
	Acupanel® Luxe Colour Blue Acoustic Slat Wall Panels (Grey Felt)	Melamine/MDF/ Acoustic Felt Backing	2400(H) x 600(W) x 19(D)	1.44SQM	12kg
	Acupanel® Luxe Colour Arctic Grey Acoustic Slat Wall Panels	Melamine/MDF/ Acoustic Felt Backing	2400(H) x 600(W) x 19(D)	1.44SQM	12kg
			3000(H) x 600(W) x 19(D)	1.80SQM	13.5kg
	Acupanel® Luxe Colour White Acoustic Slat Wall Panels	Melamine/MDF/ Acoustic Felt Backing	2400(H) x 600(W) x 19(D)	1.44SQM	12kg
			3000(H) x 600(W) x 19(D)	1.80SQM	13.5kg
Luxe Leather					
	Acupanel® Luxe Leather Beige Acoustic Slat Wall Panels	Faux Leather / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 20(D)	1.44SQM	13kg
	Acupanel® Luxe Leather Black Acoustic Slat Wall Panels	Faux Leather / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 20(D)	1.44SQM	13kg
	Acupanel® Luxe Leather Blue Acoustic Slat Wall Panels	Faux Leather / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 20(D)	1.44SQM	13kg
	Acupanel® Luxe Leather Brown Acoustic Slat Wall Panels	Faux Leather / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 20(D)	1.44SQM	13kg
	Acupanel® Luxe Leather Grey Acoustic Slat Wall Panels	Faux Leather / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 20(D)	1.44SQM	13kg
	Acupanel® Luxe Leather White Acoustic Slat Wall Panels	Faux Leather / MDF / Acoustic Felt Backing	2400(H) x 600(W) x 20(D)	1.44SQM	13kg

Technical Drawings

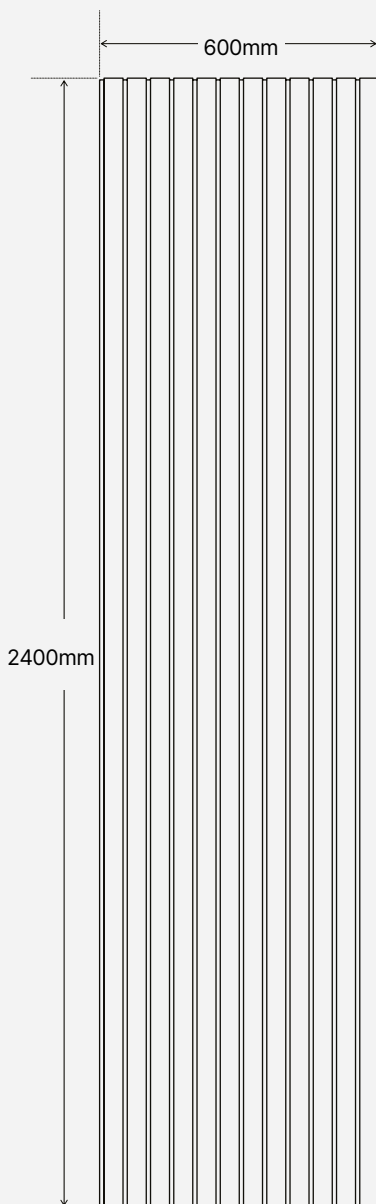
These technical drawings are based on the 2400mm(H) x 600mm(W) x 19mm(D) panel size.



Technical Drawings

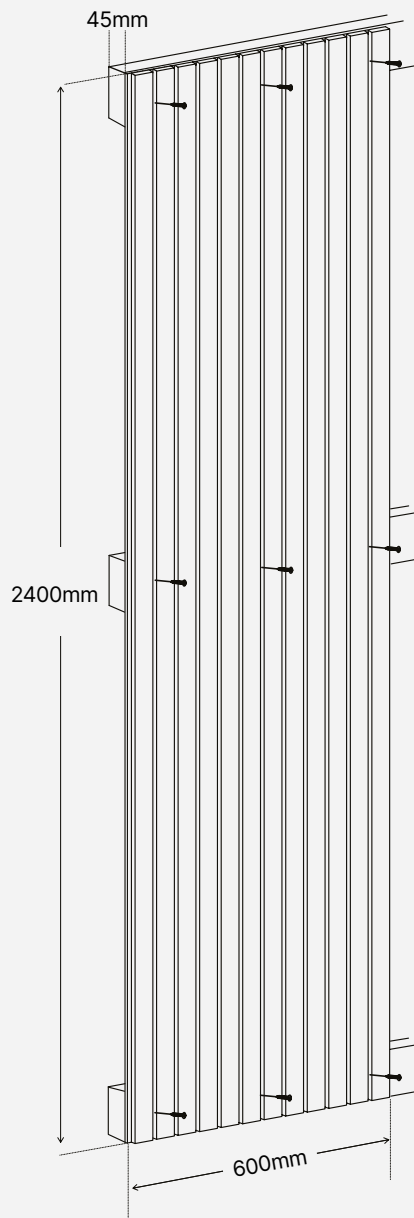
These technical drawings are based on the 2400mm(H) x 600mm(W) x 19mm(D) panel size.

Non-batten mounted

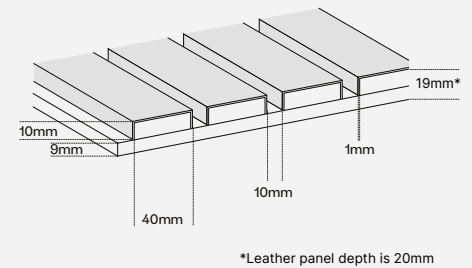


Batten mounted

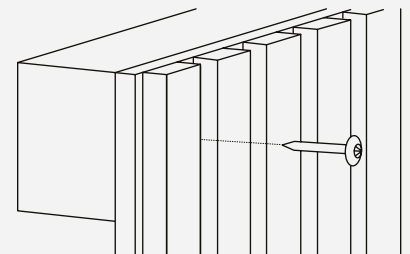
If installing onto 45mm battens, use a minimum of three to ensure stability and prevent panel bowing. For best results, space battens at 30–40cm intervals.



Slat Dimensions



Screw placement

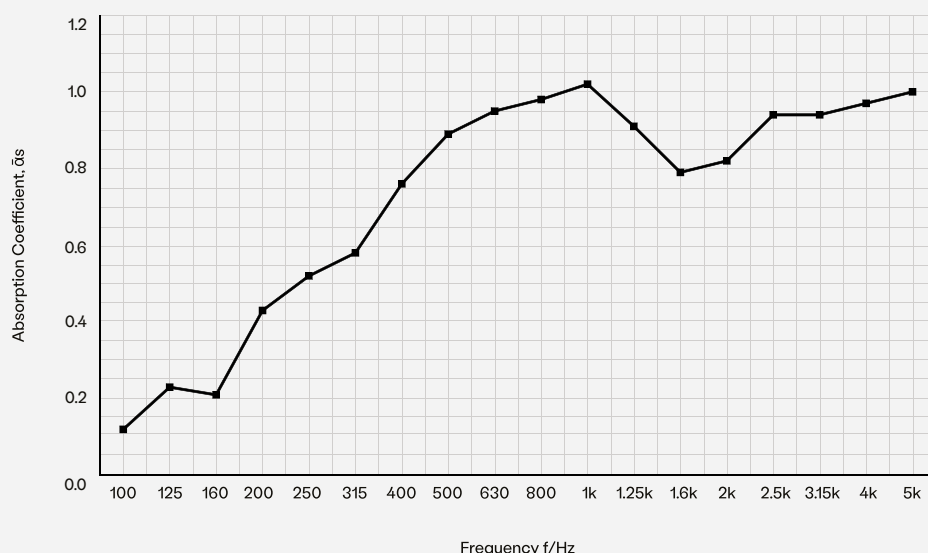


Sound absorption

DS/EN ISO 354:2003 Measure of Sound Absorption Coefficient.

Testing period March 20th 2023 - March 27th 2023

Sample Description:	1200mm x 1200mm x 9mm
Surface Density:	1.90kg/SQM
Test Conditions:	Ambient Temperature 15.0 Degrees Centigrade
Relative Humidity:	86.8%RH
Volume of Reverberation Room:	260m ³
Test Area Dimensions:	0.8SQM (3.6m x 3.0m)
Mounting Type:	E - 100mm back cavity and baffle enclosure



Freq. Hz	a ^s
100	0.12
125	0.23
160	0.21
200	0.43
250	0.52
315	0.58
400	0.76
500	0.89
630	0.95
800	0.98
1k	1.02
1.25k	0.91
1.6k	0.79
2k	0.82
2.5k	0.94
3.15k	0.94
4k	0.97
5k	1.00

Average Absorption Coefficient $\bar{\alpha}_s$ (100Hz-5000Hz): 0.73

Noise Reduction Coefficient (NRC) is 0.80

The below chart shows the NRC and its effect on sound absorption.

Noise Reduction Coefficient	Effect on Sound Absorption
0.80 and above	Very high
0.50 < 0.80	High
0.20 < 0.50	Considerable
0.10 < 0.20	Significant
Up to 0.10	Low

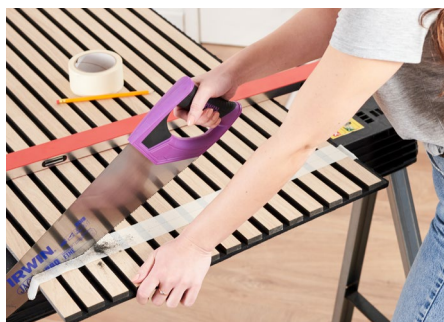
*To improve your NRC rating and the impact on noise in your space, consider opting for an acoustically-rated sound insulation product. An example of an acoustically rated insulation is Rockwool, which can be installed between the furring strips, and has a high NRC rating.

Installation Instructions

[Watch Installation Video](#)

How to cut:

- When cutting your panels, we recommend applying masking tape to the area you plan to cut, to reduce the number of wood splinters that can come loose.
- For cutting the panel width-ways, we recommend a sharp, fine-tooth saw to cut through the slats and felt cleanly.
- To cut the panel length ways, a Stanley knife can be used to cut through the felt. A few passes may be required to cleanly cut through the felt.



Tools needed



Measuring tape



Fine, sharp tooth saw



Masking tape



Sandpaper



Colour-Matched Screws
or Adhesive



Battens (optional)



Level



Hand drill

How to install:

There are three options for installing the Acupanel® Luxe Wall Panels:



Option 1: Gluing straight onto the wall

If you choose to install your panels on the wall with glue, we recommend using a construction glue or grab adhesive to ensure your panels stay in place. Simply apply the adhesive on the felt backing, starting around the edges with a large wave in the middle, and place the panel on your wall. Apply even pressure to the panel to stick it to the wall. **Please note that gluing the panels is a permanent installation method, and removing them may damage the wall behind. We do not recommend this method if you are in a rental property.**



Option 2: Screwing directly into the wall

The panels can be screwed directly into the wall through the acoustic felt. We recommend using a colour-matched screw to keep the seamless look. To ensure your panels are safely secured to the wall, we recommend a minimum of 9 screws per panel. We recommend installing the panels into existing joists where possible, but if you are installing directly into drywall, use appropriate drywall anchors to ensure the panels are securely fixed in place.



Option 3: Screwing the panels into timber battens

Attaching the panels to battens is a great way to hide wires and work around pipes. Simply screw the battens to the wall, and then screw the panels directly into them, through the acoustic felt. Use a minimum of three to ensure stability and prevent panel bowing. For best results, space battens at 30–40cm intervals.

If you are looking to improve the acoustic properties of the panels, we recommend the battens to be at least 45mm thick, and to use an acoustically rated insulation behind the panels.

Need help? Contact us:



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9am – 5pm



Email customer service:

sales@thewoodveneerhub.co.uk



Use live chat:

thewoodveneerhub.co.uk

(Click the pop-up in the bottom right of the screen)

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