



Acupanel® | Colour Acoustic Wall Panels

Technical Sheet

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Acupanel® | Contemporary Colour Acoustic Wall Panels

A beautifully designed, strip decorative wall and ceiling panel which boasts high-quality acoustic properties. The panels can be easily applied to walls and ceilings, be it for domestic or commercial use. Modern styling personified in every way.

The Acupanel® Contemporary Colour Acoustic Wall Panels are produced with a range of solid-colour finishes, including solid grade laminates and wrapped melamines. Lamella strips with a clean, modern appearance are mounted onto a uniquely designed, recycled acoustic felt material. Fast and simple installation allows you to quickly transform any space.



Finishes

Available in a luxury quality, wrapped melamine finish, and solid grade laminates.



Superior sound absorption

These panels have Class A superior sound absorption. See [page 6](#) for more details. Backing felt material produced from recycled material.

Note: The Acupanel® Contemporary Colour Acoustic Wall Panels have not been rated for fire resistance. Please refer to our line of fire-rated Acupanel® wall panels for products with those features.

Note: The Acupanel® Contemporary Colour Acoustic Wall Panels are for interior use only.

Dimensions

	Product Name	Material/s	Panel Dimensions (mm)	SQM per panel (m²)	Weight per piece (kg)
	Acupanel® White Acoustic Slat Wood Wall Panels	Wrapped Printed Paper	2400(H) x 600(W) x 18(D)	1.44	9
		Finish / Undyed MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 18(D)	1.8	11.5
	Acupanel® Arctic Grey Acoustic Slat Wood Wall Panels	Wrapped Printed Paper	2400(H) x 600(W) x 18(D)	1.44	9
		Finish / Undyed MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 18(D)	1.8	11.5
	Acupanel® Blue Acoustic Slat Wood Wall Panels (Black Felt)	Wrapped Printed Paper	2400(H) x 600(W) x 18(D)	1.44	9
		Finish / Undyed MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 18(D)	1.8	11.5
	Acupanel® Blue Acoustic Slat Wood Wall Panels (Grey Felt)	Wrapped Printed Paper	2400(H) x 600(W) x 18(D)	1.44	9
		Finish / Undyed MDF / Grey Acoustic PET Felt Backing	3000(H) x 600(W) x 18(D)	1.8	11.5
	Acupanel® Onyx Black Acoustic Slat Wood Wall Panels	Wrapped Printed Paper	2400(H) x 600(W) x 18(D)	1.44	9
		Finish / Undyed MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 18(D)	1.8	11.5
			3600(H) x 600(W) x 18(D)	2.16	14
	Acupanel® Green Acoustic Slat Wood Wall Panels	Wrapped Printed Paper	2400(H) x 600(W) x 18(D)	1.44	9
		Finish / Undyed MDF / Black Acoustic PET Felt Backing			
	Acupanel® Terracotta Acoustic Slat Wood Wall Panels	Wrapped Printed Paper	2400(H) x 600(W) x 18(D)	1.44	9
		Finish / Undyed MDF / Black Acoustic PET Felt Backing			
	Acupanel® Nero Black Acoustic Slat Wood Wall Panels	Linoleum / Black Dyed	2400(H) x 600(W) x 20(D)	1.44	10.3
		MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 20(D)	1.8	12.9
	Acupanel® Conifer Green Acoustic Slat Wood Wall Panels	Linoleum / Black Dyed	2400(H) x 600(W) x 20(D)	1.44	10.3
		MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 20(D)	1.8	12.9
	Acupanel® Olive Green Acoustic Slat Wood Wall Panels	Linoleum / Black Dyed	2400(H) x 600(W) x 20(D)	1.44	10.3
		MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 20(D)	1.8	12.9

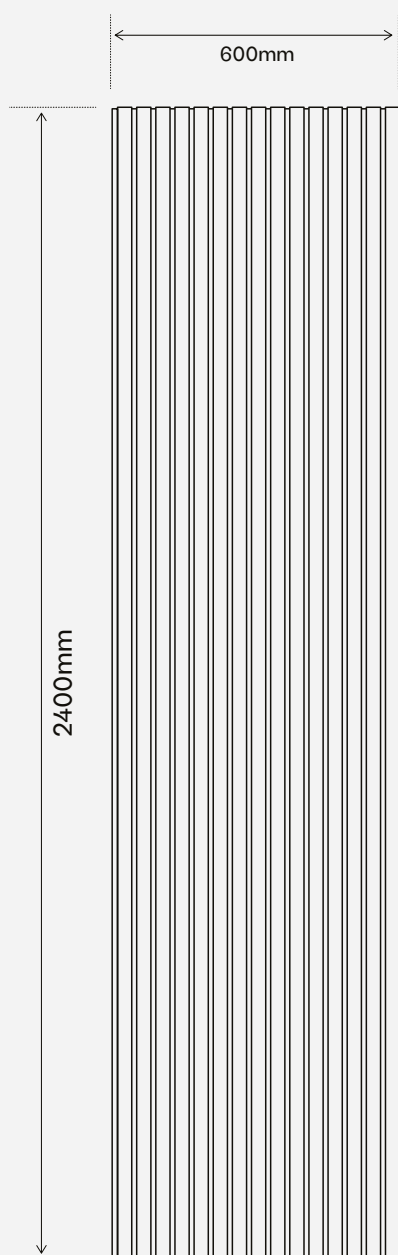
Dimensions con't

	Product Name	Material/s	Panel Dimensions (mm)	SQM per panel (m²)	Weight per piece (kg)
	Acupanel® Smokey Blue (Black Felt)	Linoleum / Black Dyed	2400(H) x 600(W) x 20(D)	1.44	10.3
	Acoustic Slat Wood Wall Panels	MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 20(D)	1.8	12.9
	Acupanel® Smokey Blue (Grey Felt)	Linoleum / Black Dyed	2400(H) x 600(W) x 20(D)	1.44	10.3
	Acoustic Slat Wood Wall Panels	MDF / Black Acoustic PET Felt Backing	3000(H) x 600(W) x 20(D)	1.8	12.9
	Acupanel® Colour Concrete Grey	Laminate / Black MDF /	2400(H) x 600(W) x 19(D)	1.44	9
	Acoustic Wall Panels	Black Acoustic PET Felt Backing	3000(H) x 600(W) x 19(D)	1.8	11.5

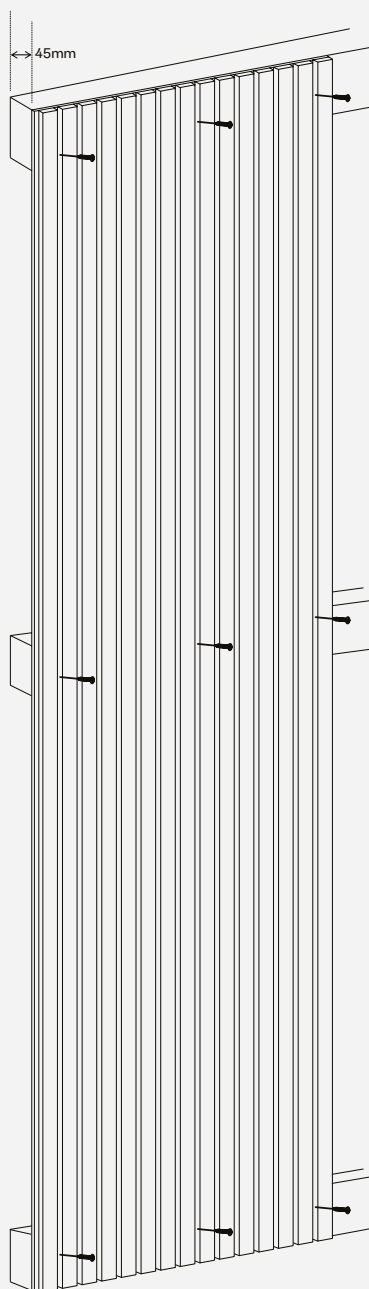
Technical Drawings

These technical drawings are based on the 2400mm(H) x 600mm(W) x 20mm(D) panel size.

Non-batten mounted

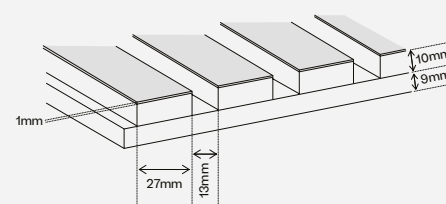


Batten mounted



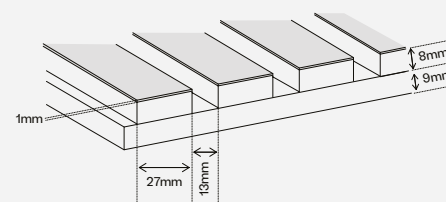
Slat Dimensions

For Laminate Panels



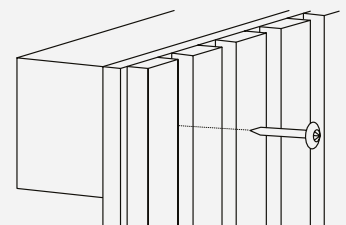
Slat Dimensions

For Melamine Panels



Screw placement

For All Colour Panels



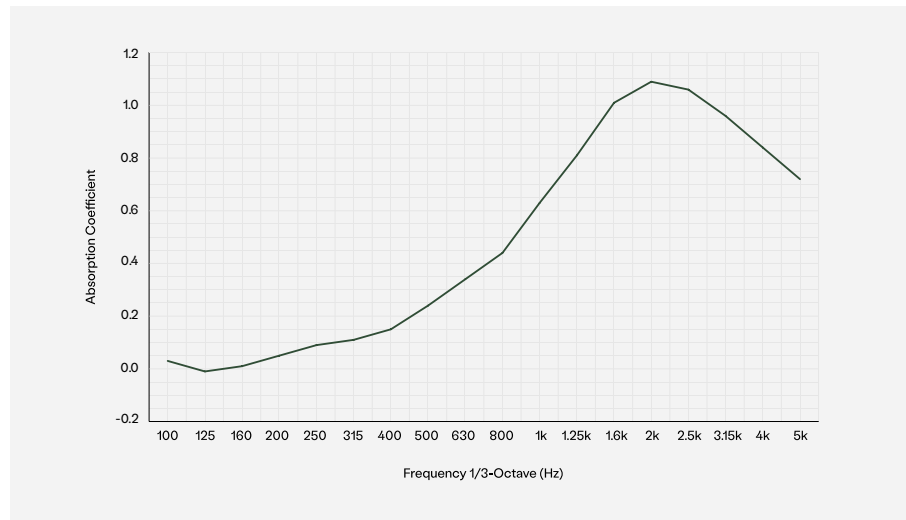
Sound absorption

Figure 1: (Non-Batten Mounted) Sound Absorption:

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

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

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



Freq. Hz	a ^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

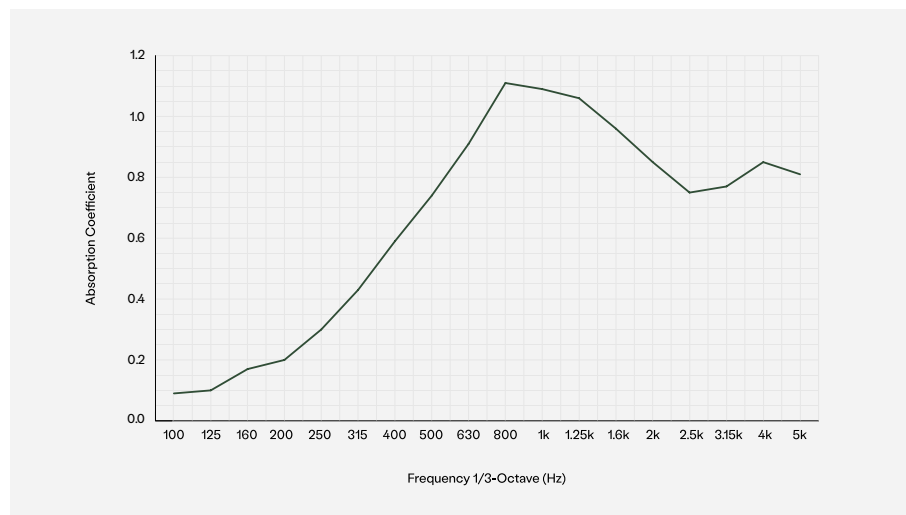
Figure 2: (Batten Mounted) Sound Absorption:

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

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

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

If a product like Rockwool sound insulation is installed in-between the batten, behind the panels this will achieve Class A sound absorption.



Freq. Hz	a ^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

Installation Instructions

Tools needed



Measuring tape



Fine tooth or sharp saw



Masking tape



Sandpaper



Colour screws



Battens (optional)



Level



Hand drill

How to cut:

We recommend applying masking tape to the area you plan to cut, to reduce the number of wood splinters that can come loose. Mark the cut lines with a pencil on the masking tape.

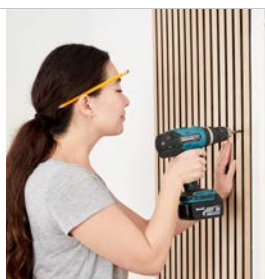
- For cutting the panel width-ways, we recommend a sharp, fine-tooth saw to cut through the slats and felt cleanly. Sand the cut edges of the panel until smooth.
- To cut the panel length ways, a sharp utility knife can be used to cut through the felt. A few passes may be required to cleanly cut through the felt.

Note: When cutting your panels, it's important to check where you are cutting in relation to the backing staples. If you cut the panels close to the staples, you may notice some slats lifting away from the backing where the panel has been cut. This is completely normal and is quickly rectified by adding additional staples through the backing felt or using a grab adhesive on the back of the slats.



Watch our online
installation videos

Click to watch 



Installation instructions con't

How to install:

There are three options we recommend for installing the Acupanel® Contemporary Colour Acoustic 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 a minimum of 6 screws per panel (12 per pack) to ensure it is secured safely to the wall.

We recommend installing the panels into existing joists or wooden studs where possible, but if you are installing directly into drywall, use appropriate drywall anchors to ensure the panels are securely fixed in place.

If installing the panels on a ceiling, ensure they are screwed into ceiling joists, or battens are used to provide additional support.



Option 3: Installing panels onto battens (better acoustics)

Attaching the panels to battens not only improves the acoustics, but is a great way to hide wires and work around pipes.

We recommend screwing 45mm timber battens to the wall and then screwing the panels directly into the battens through the acoustic felt to achieve optimum sound absorption. Combined with Rockwool sound insulation behind the panels in between the battens, this will achieve Class A sound absorption.



Care and maintenance

Wipe with a soft, dry or lightly damp cloth.
Do not use abrasive cleaners or solvents.

Need help? Contact us:



Call customer service:

01525 851 166

Monday – Friday

9am – 5pm



Email customer service:

sales@thewoodveneerhub.co.uk



Use live chat:

thewoodveneerhub.co.uk

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