



Acupanel® | Stone and Marble Acoustic Wall Panels

Technical Sheet

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Contact us

01525 851 166

sales@thewoodveneerhub.co.uk

thewoodveneerhub.co.uk

Acupanel® | Stone and Marble Acoustic Wall Panels

Inspired by unique, organic stone patterns and mountains around the world, Acupanel® has created new acoustic stone, stone-effect and marble-effect panelling ranges.

The Acupanel® Stone and Marble ranges capture the raw beauty and timeless elegance of natural stone and marble, these panels are more than just a design choice; they evoke the serenity and grandeur of mountainous landscapes within your home or commercial space.



Fire rating

The slats on the Acoustic Stone and Marble Wall Panel Ranges have no fire rating. A selection of our panels are available fully fire-rated; please contact our customer care team for availability.



Care and maintenance

Wipe the panels clean with a dry cloth. A light dusting or vacuuming will also prevent any dust build-up.



Finishes

Real stone veneer, printed stone-effect and smooth laminate finishes are available. Not all colourways are available in each finish - please refer to the product specification for more information.



Superior sound absorption

These panels have Class A superior sound absorption. See [page 5](#) for more details. Backing felt material produced from recycled material.

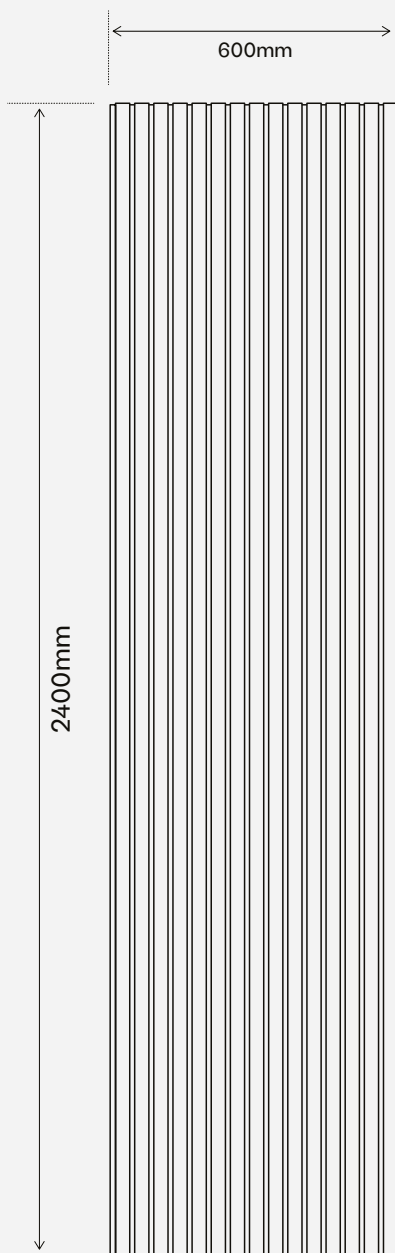
Dimensions

	Product Name	Material	Panel Dimensions (mm)	SQM per panel	Weight per panel (kg)
	Acupanel® Stone Fuji Acoustic Wall Panels	Matt printed paper / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 20(D)	1.44	9
	Acupanel® Stone Olympus Acoustic Wall Panels	Matt printed paper / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 20(D)	1.44	9
	Acupanel® Stone Everest Acoustic Wall Panels	Matt printed paper / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 20(D)	1.44	9
	Acupanel® Marble Black Acoustic Slat Wall Panels	Laminate / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 20(D)	1.44	8.4
	Acupanel® Marble Brown Acoustic Slat Wall Panels	Laminate / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 20(D)	1.44	8.4
	Acupanel® Marble White Acoustic Slat Wall Panels	Laminate / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 20(D)	1.44	8.4
	Acupanel® Stone Tan Acoustic Slat Wall Panels	Real stone veneer / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 22(D)	1.44	12.3
	Acupanel® Stone Rustic Acoustic Slat Wall Panels	Real stone veneer / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 22(D)	1.44	12.3
	Acupanel® Stone Indian Autumn Acoustic Slat Wall Panels	Real stone veneer / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 22(D)	1.44	12.3

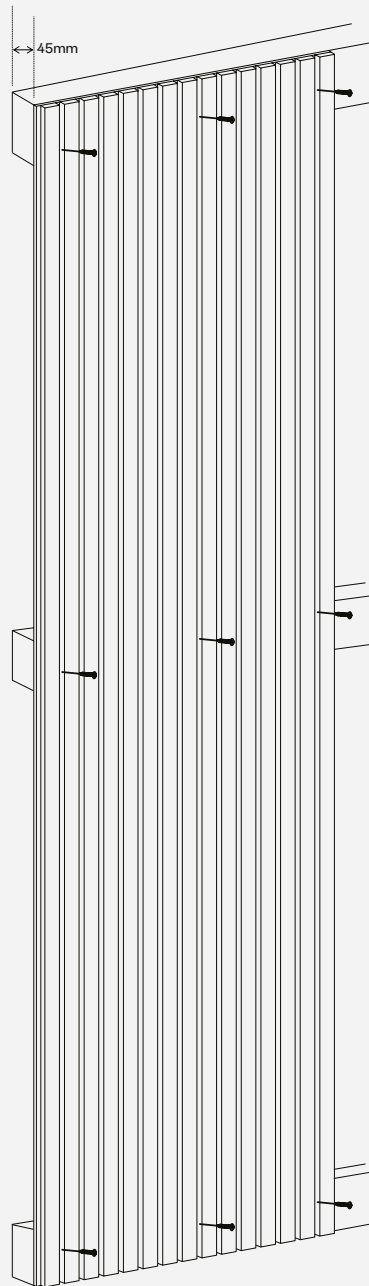
Technical Drawings

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

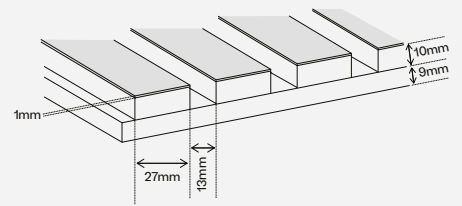
Non-batten mounted



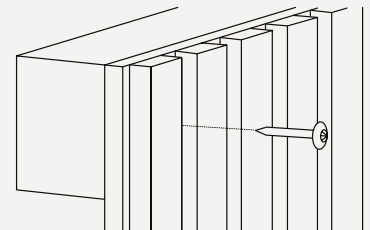
Batten mounted



Slat Dimensions



Screw placement



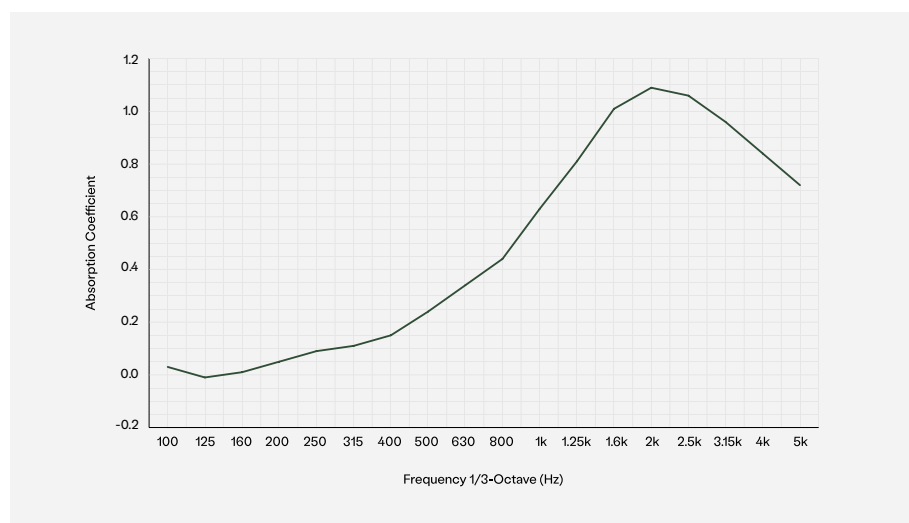
Sound absorption

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

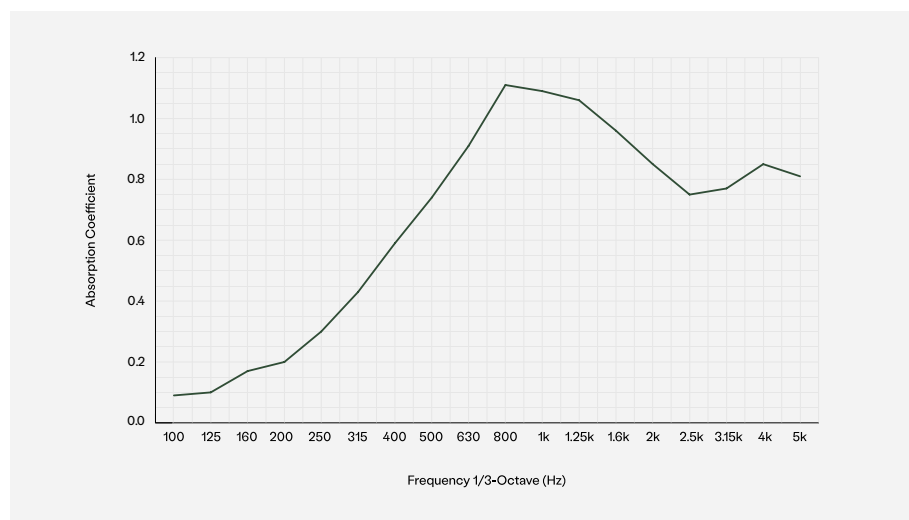
Figure 2: (Batten Mounted) Sound Absorption:

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

How to cut the Acupanel® Stone and Marble Acoustic Wood Wall Panels

For the Acupanel® Stone and Marble Acoustic Wood Wall Panel Ranges, if you are cutting width ways, we recommend a sharp, fine-tooth saw to cut through the slats and felt cleanly. To cut length ways, a Stanley knife can be used to cut through the felt.

Tools needed

 Measuring tape

 Fine tooth or sharp saw

 Sandpaper

 Colour screws

 Battens (optional)

 Level

 Hand drill

Disclaimer:

We advise against using tape on these panels during the cutting process, to avoid damaging the surface finish. For any questions or advice, please contact our friendly customer services team.

How to install the Acupanel® Stone and Marble Acoustic Wood Wall Panels

There are three options we recommend for installing the Acupanel® Stone and Marble Acoustic Wood Wall Panels:

1. Gluing straight onto the wall:

A construction glue or grab adhesive is recommended for this. Simply apply the adhesive to the edges of the panel, and a large wave in the middle. Apply even pressure to the panel to stick this to the wall.

2. Screwing directly into the wall:

By using black screws, the panels can be screwed directly into the wall through the acoustic felt.

We recommend a minimum of 9 screws per panel to ensure the panel is secured safely to the wall.

If installing into ceilings then make sure they are screwed into ceiling joists.

Please ensure you are using the relevant fixtures and fittings for the surface you are installing onto.

3. Screwing the panels into 45mm timber battens:

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.

This is also a fantastic way to hide wires and work around pipework.

For panel dimensions and technical drawings, please see [page 3](#).

Watch our online installation video



Click the link to watch our Acoustic Panels Installation Guide:

https://www.youtube.com/watch?v=7K_DD_7ILsQ

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

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

Monday – Friday