



Acupanel® | Metal Acoustic Wall Panels

Technical Sheet

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Acupanel® | Metal Acoustic Wall Panels

Make a bold design statement with the Acupanel® Metal range. Featuring a refined metallic surface with texture, these panels are designed to bring depth, light and architectural impact to contemporary interiors.

Each panel is finished with a metallic foil surface in carefully curated tones such as gold, aluminium and bronze. The surface has a gentle sheen and directional texture, creating a dynamic effect that responds beautifully to both natural and artificial light. In the collection is also a polished, mirror-gold finish on the surface of the slat, providing a highly reflective surface for an intense sheen. Applied to black MDF slats and mounted on an acoustic felt backing the result is a panel that delivers both visual presence and acoustic performance.



Fire rating

The slats on the Acoustic Metal Acoustic Wall Panel Range 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. For the Polished Gold finish, a microfibre cloth should be used to polish the mirror surface.



Finishes

A luxury quality wrapped foil finish for most of the range. The Polished Gold features a high-sheen, gold mirror finish on the surface of the slat.



Superior sound absorption

These panels can achieve a Class A sound absorption rating. See [page 5](#) for more details.

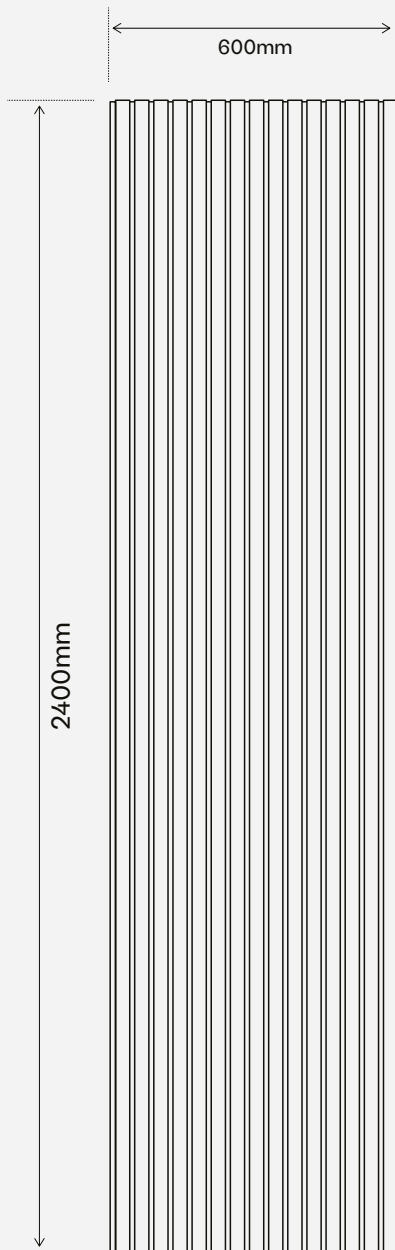
Dimensions

	Product Name	Material	Panel Dimensions (mm)	SQM per panel (m²)	Weight per piece (kg)
	Acupanel® Polished Gold Acoustic Slat Wall Panel	Plastic Mirror Finish / Black Dyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 20(D)	1.44	9.5
	Acupanel® Metal Bronze Acoustic Slat Wall Panel	Metallic foil wrap / Undyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 19(D)	1.44	9.7
	Acupanel® Metal Aluminium Acoustic Slat Wall Panel	Metallic foil wrap / Undyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 19(D)	1.44	9.7
	Acupanel® Metal Gold Acoustic Slat Wall Panel	Metallic foil wrap / Undyed MDF / Black Acoustic PET Felt Backing	2400(H) x 600(W) x 19(D)	1.44	9.7

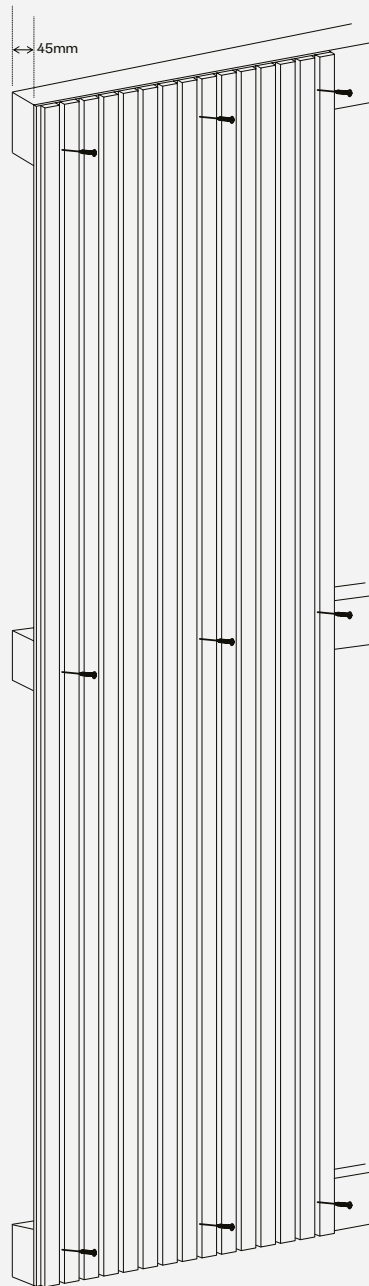
Technical Drawings

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

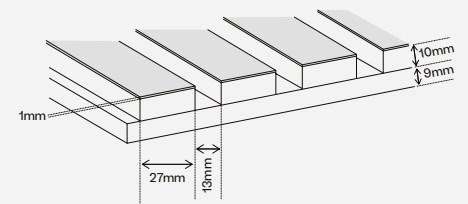
Non-batten mounted



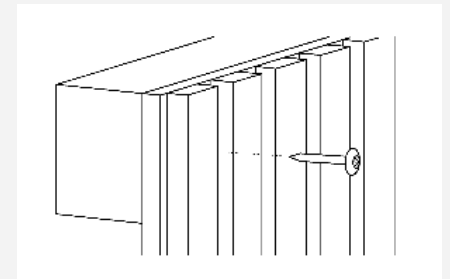
Batten mounted



Slat Dimensions



Screw placement



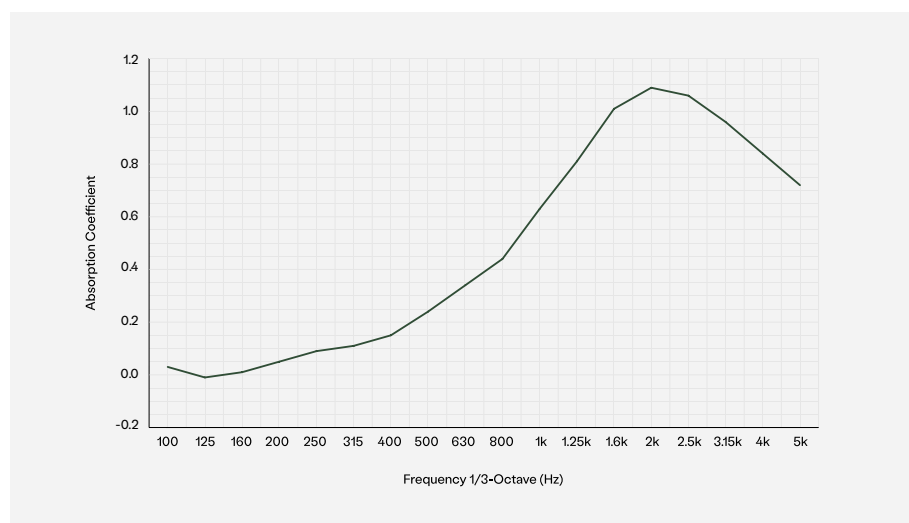
Sound absorption

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

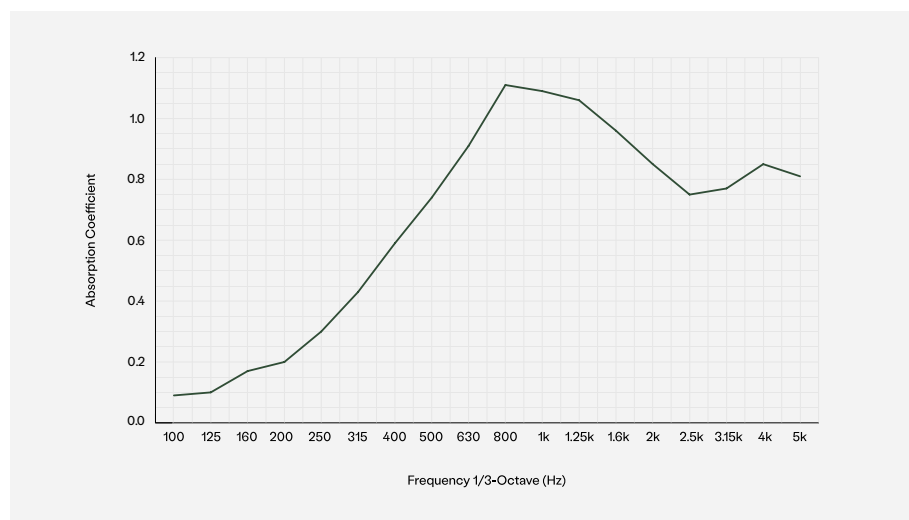
Figure 2: (Batten Mounted) Sound Absorption:

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® Metal Acoustic Wall Panels

For the Acupanel® Metal Acoustic Wall Panel Range, 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 Masking tape Sandpaper Colour screws Battens (optional) Level Hand drill

How to install the Acupanel® Metal Acoustic Wall Panels

There are three options we recommend for installing the Acupanel® Metal Acoustic 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 for the black backing option or silver or grey screws for the grey-backed option, 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 [pages 3-4](#).



Watch our online installation videos

Acoustic Panels Installation Guide:

https://www.youtube.com/watch?v=7K_DD_7LLsQ

Need help? Contact us:



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Email customer service:

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Use live chat:

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

Monday – Friday