

WVH[®]

Acupanel[®] Ultraflex Wood Wall Panels

Technical Sheet

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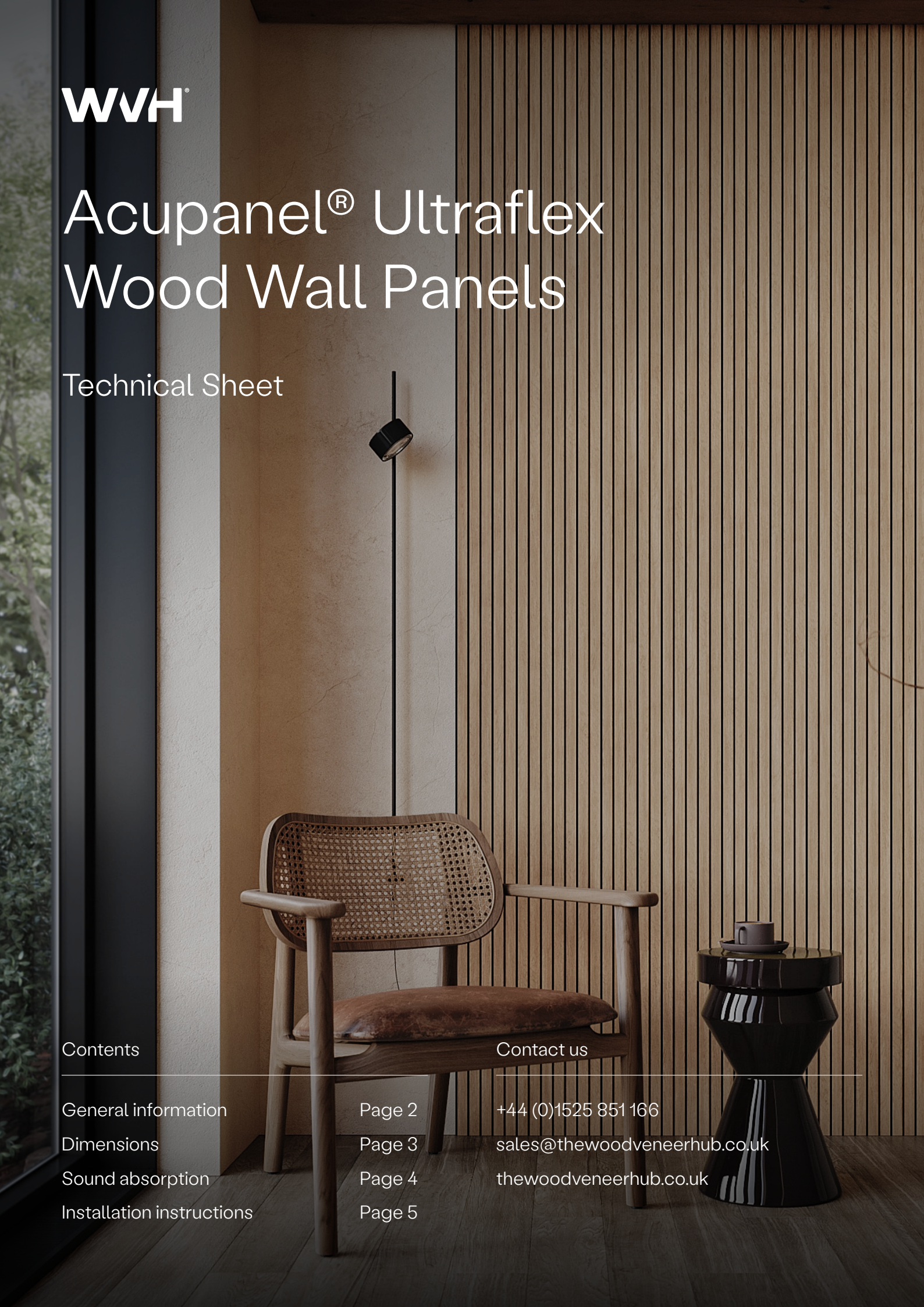
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Acupanel® Ultraflex Wood Wall Panels

Boasting superb flexibility, the Ultraflex wood wall panels can bend and curve to fit around edges and arches.

Designed by Acupanel®, the original slat panel experts, the new Ultraflex range has been created with versatility in mind. The panels can flex inside and out, adapting to unique spaces. The panels can be bent to fit unusual angles, cut to your specific measurements, and applied with a simple adhesive. Create an elegant look to your interiors with ease, thanks to Ultraflex's lightweight nature which ensures easy installation.



Super flexible

With complete vertical flexibility, these Ultraflex panels are highly adaptable for unique spaces, tight curves, and arches



Lightweight

Lightweight yet robust, the Acupanel® Ultraflex range lends itself to use in projects on doors and screens while adding only minimal weight. This versatility elevates your interiors with no fuss.



Care and maintenance

You can wipe the Acupanel® Ultraflex Wood Wall Panels clean with a dry cloth.



Materials

Available in a choice of oak and walnut, these real wood veneer panels provide a natural feel for all interiors.



Acoustic Properties



Providing the same sound absorption you've come to expect from the Acupanel® range, the Ultraflex panels are perfect for home offices and music studios. You can achieve an acoustic rating of class A ensuring superior sound absorption.



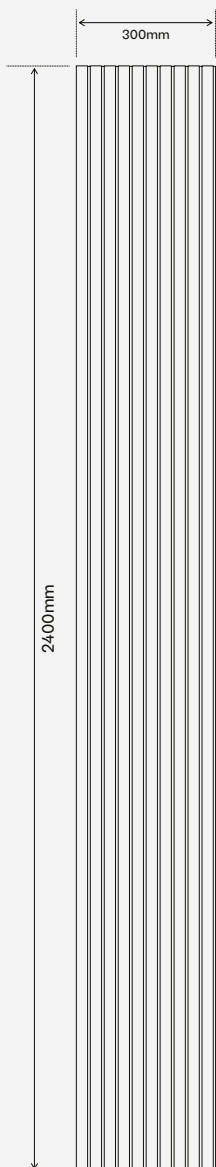
Fire Rating

The Acupanel® Ultraflex Wood Wall Panels have no fire rating, but a fire-retardant finish can be applied across the whole panel to achieve one.

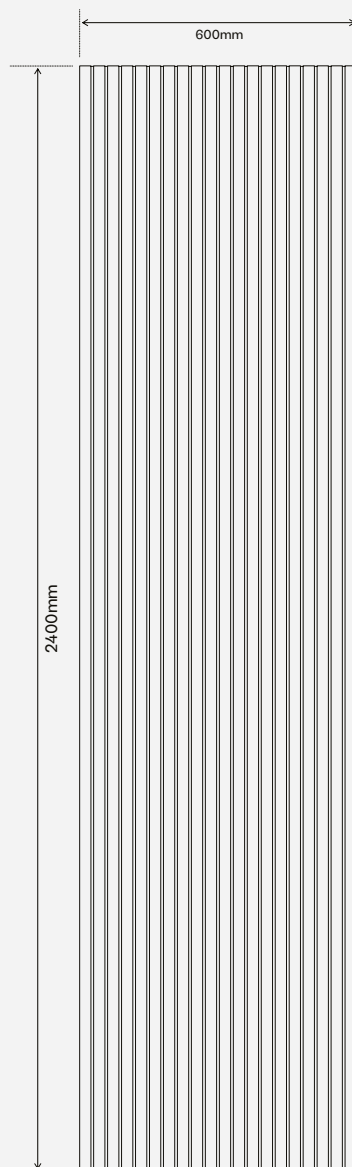
Dimensions

Product name	Material	Dimensions per panel (mm)	Dimensions per pack (mm)	m ² per panel	m ² per pack	Weight per panel (kg)
 Acupanel® Ultraflex Oak Wood Wall Panels	Real Wood Veneer / MDF / Recycled Felt	2400mm (H) x 300mm (W) x 7mm (D)	2400mm (H) x 600mm (W) x 7mm (D)	0.72m ²	1.44m ²	3kg
 Acupanel® Ultraflex Walnut Wood Wall Panels	Real Wood Veneer / MDF / Recycled Felt	2400mm (H) x 300mm (W) x 7mm (D)	2400mm (H) x 600mm (W) x 7mm (D)	0.72m ²	1.44m ²	3kg

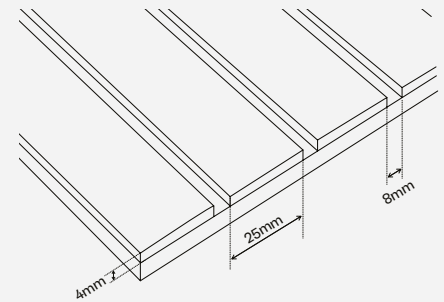
Single panel



Two panels pushed together



Slats and depth



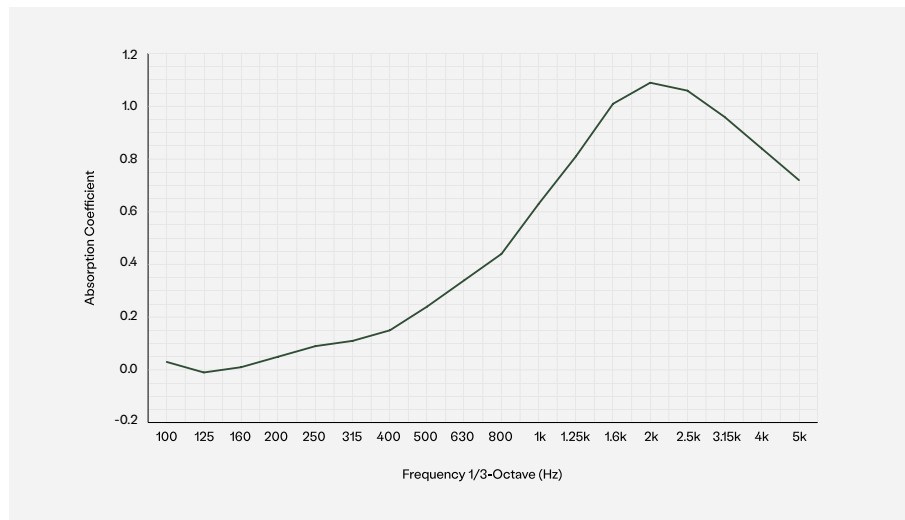
Sound absorption

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

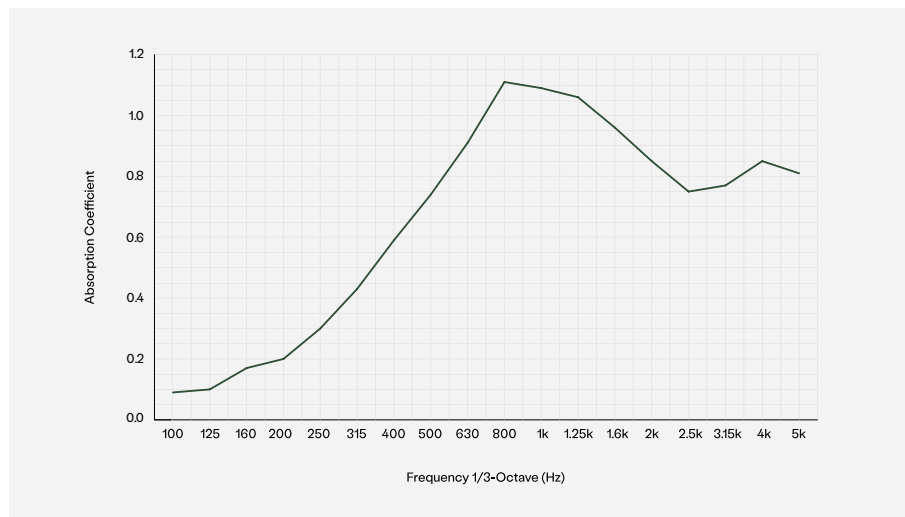
Figure 2: (Batten Mounted) Sound Absorption:

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 cut the Acupanel® Ultraflex Wood Wall Panels

To cut the Acupanel® Ultraflex Wood Wall Panels, a sharp, fine-tooth saw will need to be used to cut width ways and length ways.

Tools needed



Measuring tape



Fine tooth or sharp saw



Masking tape



Sandpaper



Colour screws



Battens (optional)



Level



Hand drill



Finishing oil and roller (optional)



Adhesive glue

How to install the Acupanel® Ultraflex Wood Wall Panels

There are three options we recommend for installing the Acupanel® Ultraflex 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 for the black backing, 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.

If you are fitting the panels to a curved surface, we recommend gluing the panels, and adding screws where necessary to retain the curved shape.

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](#).



Need help? Contact us:



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