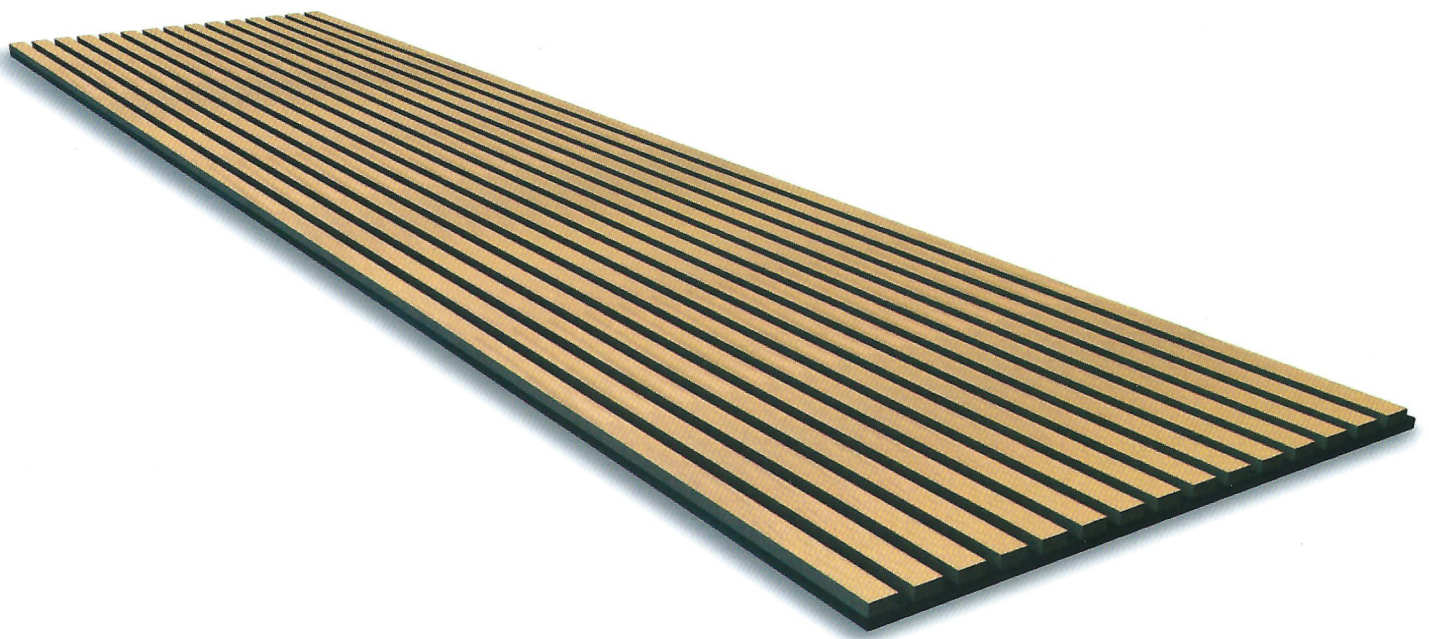


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ACOUSTIC SLAT PANEL
— INSTALLATION INSTRUCTIONS —

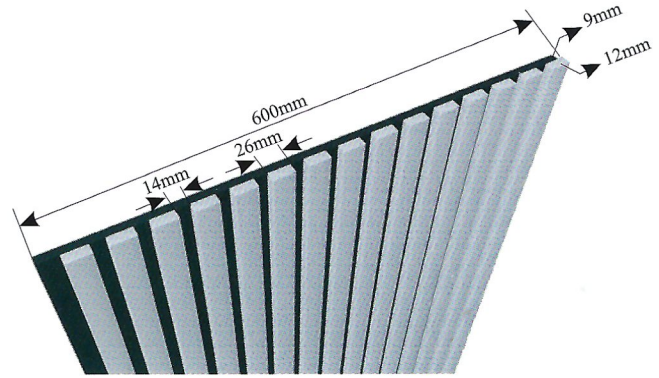
Dimensions

Consists of a 9mm black PET polyester acoustic fabric on which are mounted 26mm x12mm wooden veneer strips. These are bonded onto black recycled MDF base lengths which are spaced 14mm apart.

Each box contains one panel, measuring 2400mm x 600mm. These panels fit snugly next to each other seamlessly.

Panel Dimensions:

- 2400mm (H)
- 600mm (W)
- 21mm (D)



Properties of Real Wood Veneer

Natural wood veneer can vary in colour, grain structure and appearance from strip to strip and panel to panel.

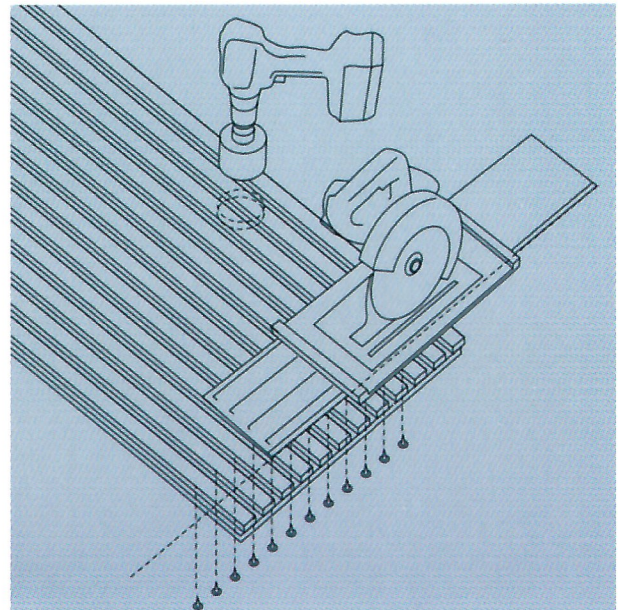
How to Cut and Drill

When sawing or drilling the acoustic panel, it is recommended that you first tape the area where the cut is made with masking tape. Screw or staple the slats 50 mm from the edge of the intended saw cut. Use a fine-toothed hand saw or a circular saw with a fine-toothed blade equipped with a guide rail for best results. Carefully sand the cut edge with sandpaper (fine-grained 240) for best results.

The polyester fabric of the acoustic panel is easy to cut with a sharp blade.

Care and Maintenance

We recommend adding a protective finish to the panels if possible. Wood oil is perfect as it protects and keeps the natural look and feel of the wood. Once this is applied, light dusting or hoovering will help to prevent any dust build-up. If you choose not to apply oil to the panels then a dry cloth can be used to wipe down the panels when required.



Fire Rating

The acoustic felt backing carries a class A fire rating following certification ASTM E84-16.

How to Install

There are three different options for installing.

1. Gluing straight onto the wall: A construction glue or grab adhesive is recommended for this.
2. Screwing directly onto the wall: Using black screws for the black backing, the panels can be screwed directly onto the wall through the acoustic felt.

We recommend a minimum of 9 screws per panel at 80mm intervals across the width and 610mm Intervals down the length of the panel.

If installing onto ceilings, make sure the panels are screwed onto ceiling joists.

Please make sure the correct fixings are used if going onto plasterboard.

3. Screwing the panels onto 46mm timber battens:

We recommend screwing 46mm timber battens to the wall and then screwing the panels directly onto the battens through the acoustic felt to achieve optimum sound absorption.

Combined with Rockwool or similar behind the panels between the battens, this will achieve Class A sound absorption.

4. As shown in the picture, install a light steel keel on the wall with a distance of 100mm from the wall, and we recommended a distance between the vertical keels of 600mm. The horizontal keel can be adjusted according to your installation area.

The middle of the keel needs to be filled with sound insulation cotton or similar to obtain an optimum sound absorption effect.

This product can be fixed on the keel with screws.

Technical Drawing

Figure 1

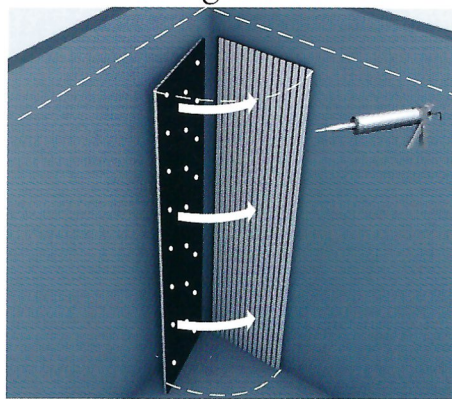


Figure 2

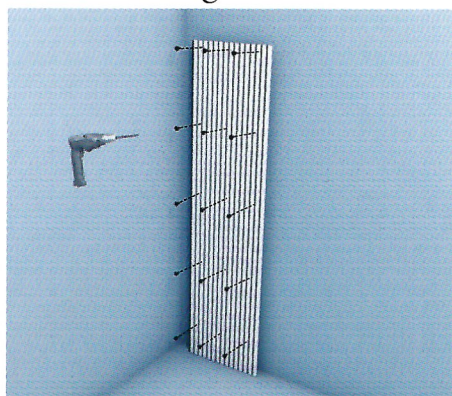


Figure 3

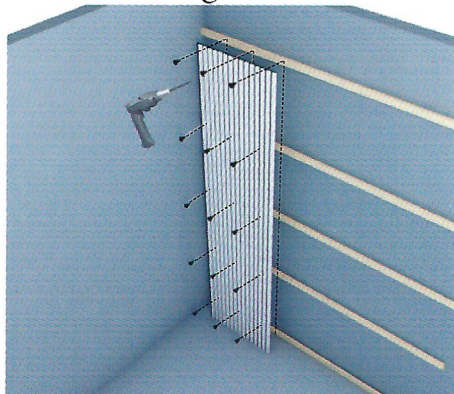
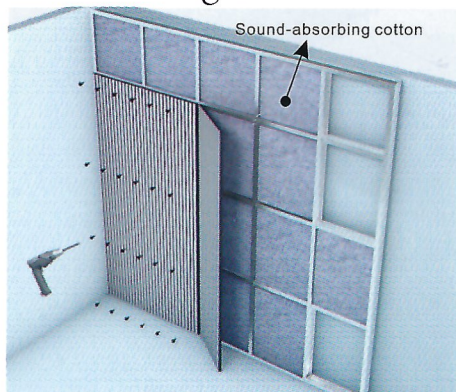


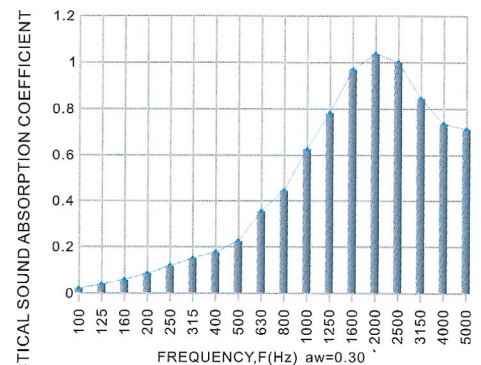
Figure 4



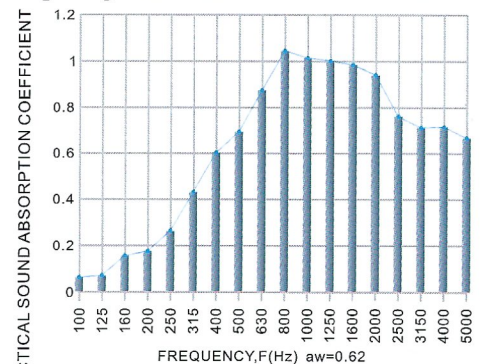
Sound Absorption Coefficient for Acoustic Panels

Laboratory measurements of sound absorption coefficient were carried out in a reverberation room according to the test method of EN ISO 354:2003.

Panel mounted directly to the wall



Panel mounted with 46mm timber battens spacing and mineral wool insulation



Panels mounted on 100mm pitch light steel joists and filled mineral wool insulation

