



AcuslatTM
WOOD SLAT PANEL / S



Installation Instructions.



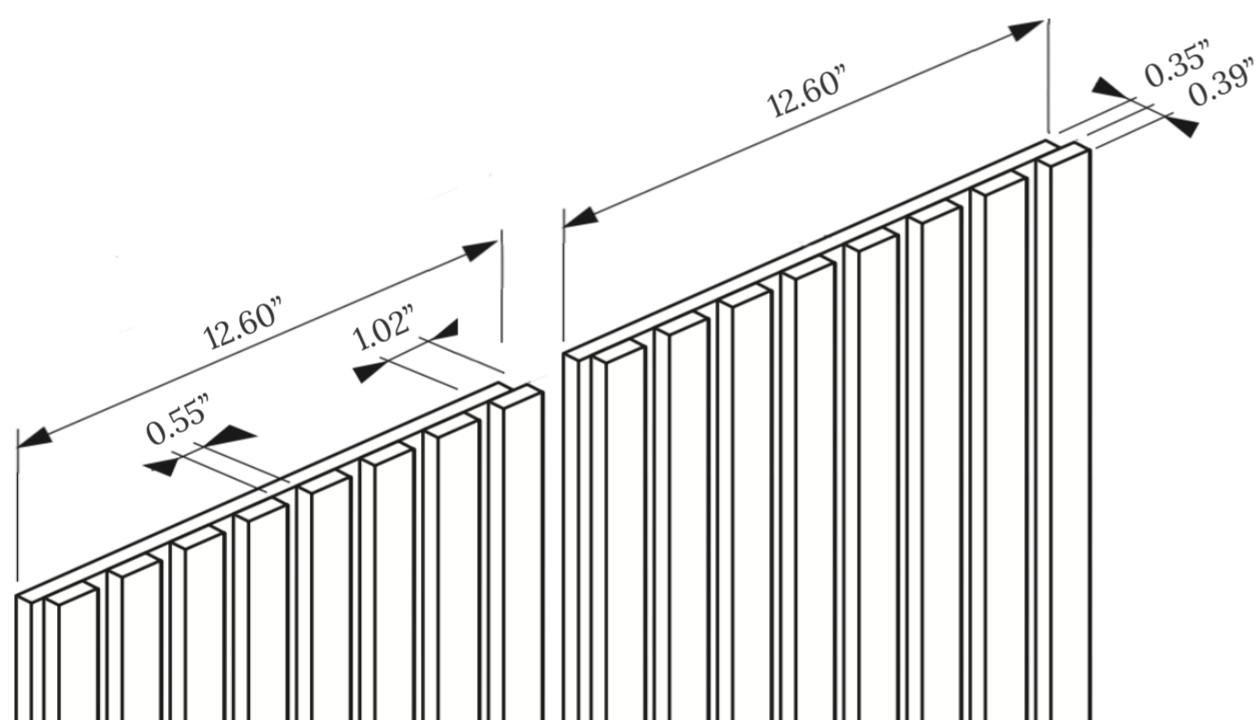
Dimension

Acuslat™ consists of a 0.35" black or grey recycled PET Polyester acoustic fabric on which are mounted 1.02" x 0.39" strips in colored dark brown or black recycled MDF veneered with real wood veneer. The strips are spaced 0.55" apart.

Each box contains two panels, both measuring 94.09" x 12.60". These panels will join next to each other seamlessly.

Each box covers:

- 94.09" / 2390mm (H)
- 25.20" / 640mm (W)
- 0.74" / 19mm (D)



Properties of real wood veneer:

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

Care and maintenance.

We recommend adding a protective finish to the panels if possible. Something like wood oil is perfect as it protects and keeps the natural look and feel of the wood. Once this is applied, light dusting or hovering will prevent any dust build-up. If you choose to keep the panels without a finish, then a dry cloth can wipe the panels down.

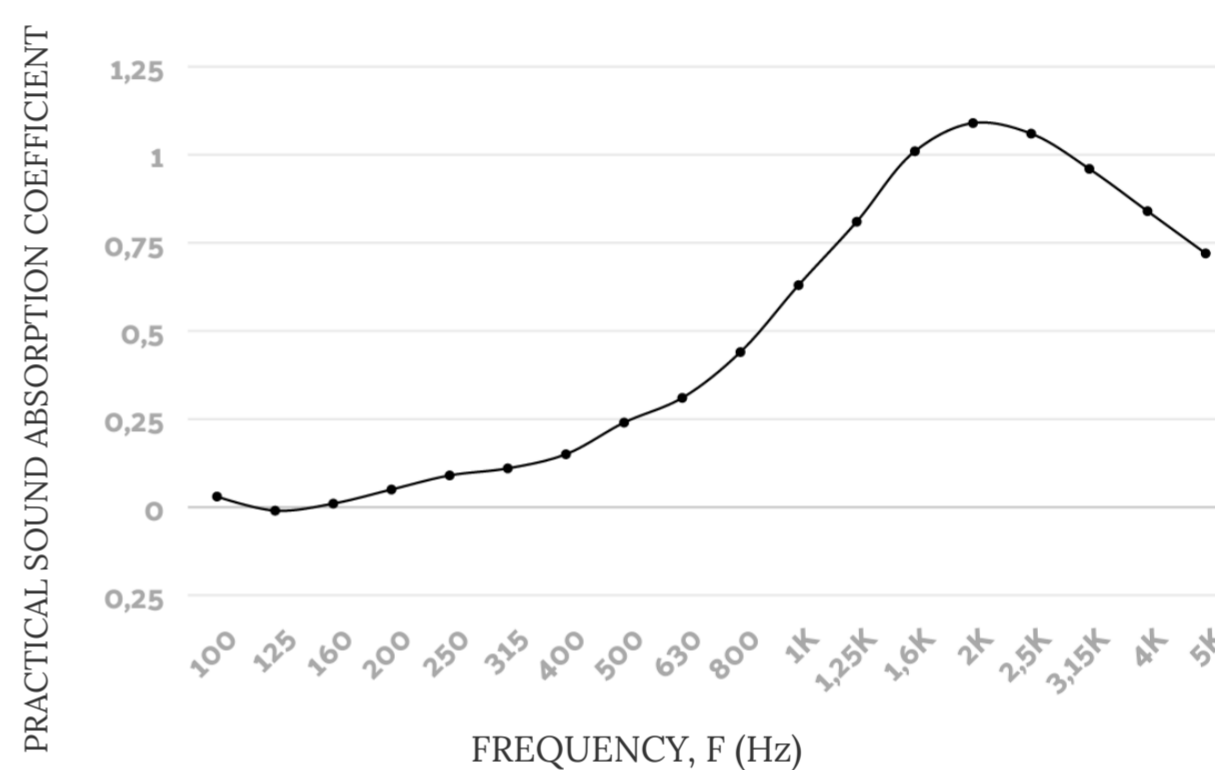
Fire rating.

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

Sound Absorption Coefficient for Acuslat™ Acoustic Panels.

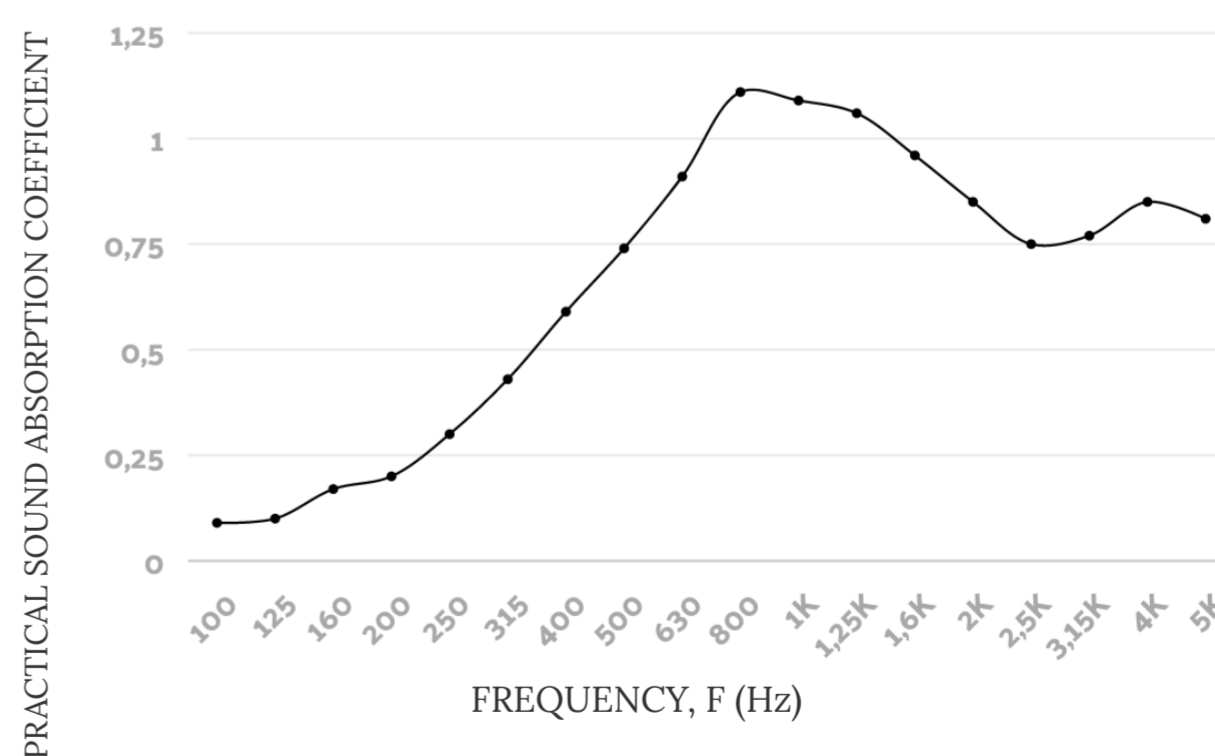
Laboratory measurements of sound absorption coefficient were carried out in a reverberation room according to the test method of EN ISO 354:2003.

Panel mounted directly to the wall



As seen in the graph, the 0.78" panel, **mounted directly to the wall**, obtains an absorption coefficient of 0.35 (MH).

Panel mounted with 1.8" timber batons spacing and mineral wool insulation



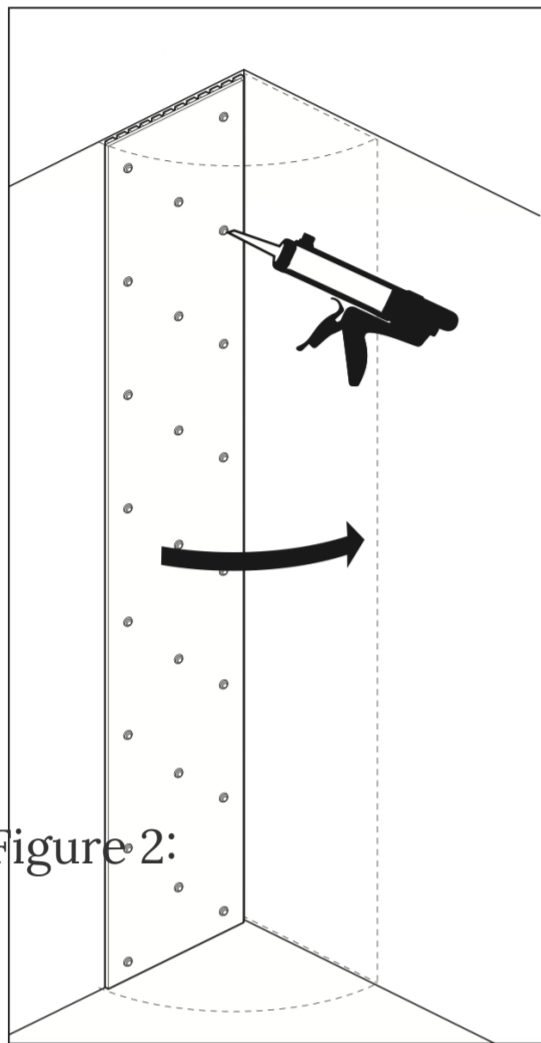
As seen in the graph, the 0.78" panel, mounted with 1.8" timber batons spacing and mineral wool insulation, obtains an absorption coefficient of 0.35 (MH).

Technical Drawing.



Figure 1:

step 1



step 2

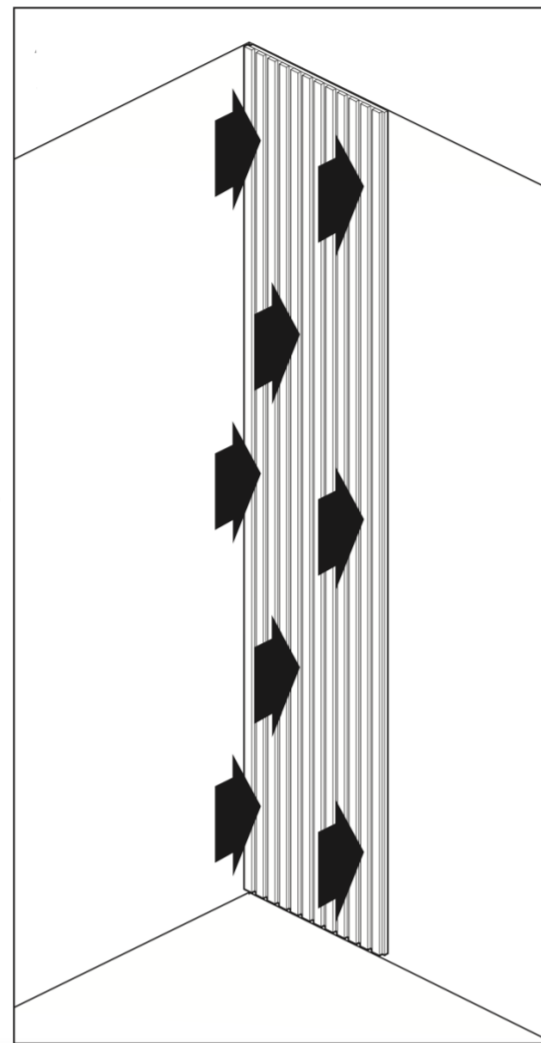
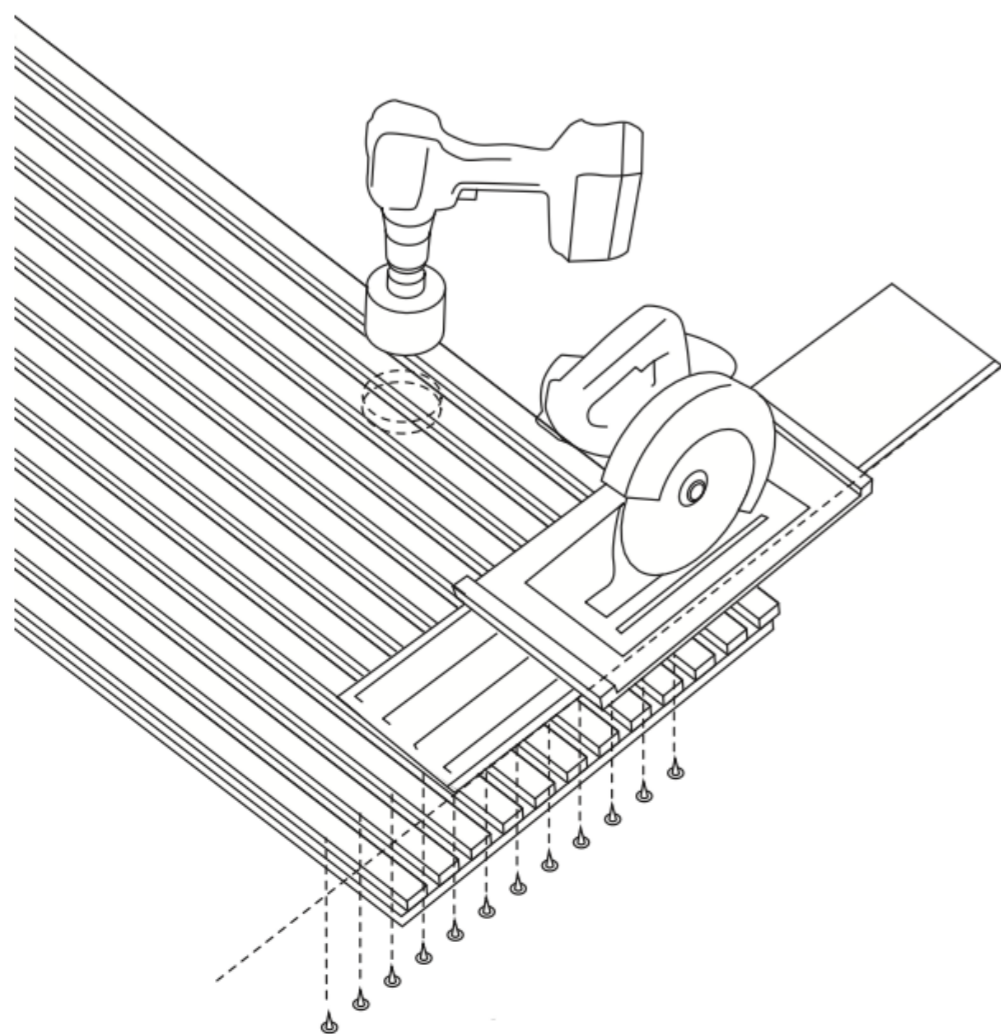
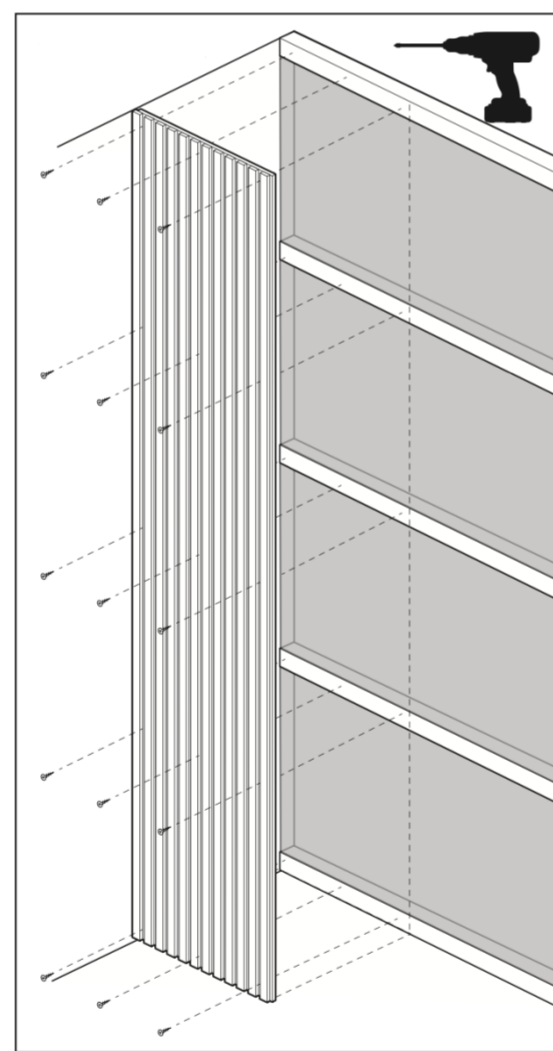
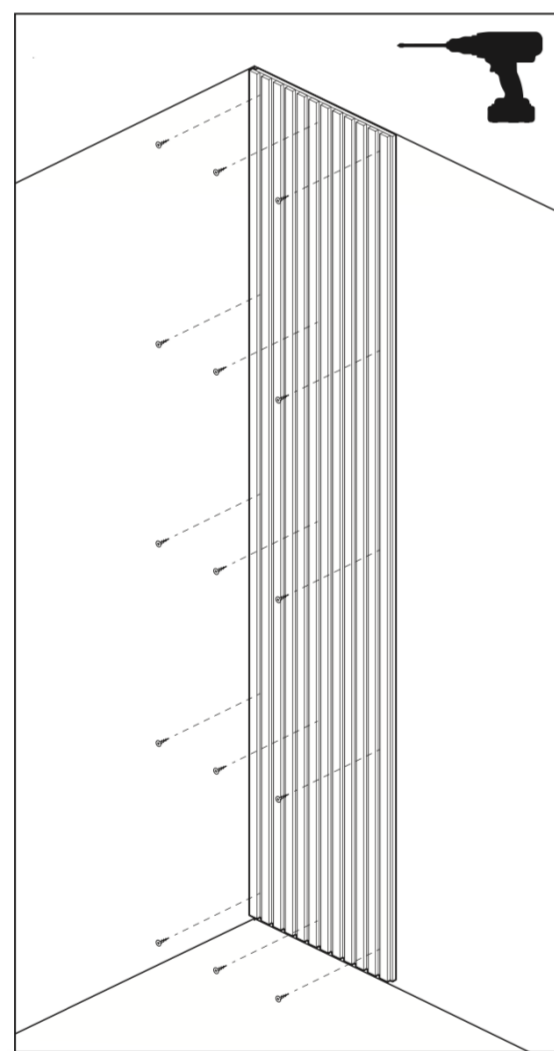


Figure 2:



How to install Acuslat™

There are three different options for installing Acuslat™:

1. Gluing straight onto the wall:

A construction glue or grab adhesive is recommended for this.

2. Screwing directly into the wall:

Using black screws for the black backing option or silver or grey screws for the grey backing, the panels can be screwed directly into the wall through the acoustic felt.

We recommend a minimum of 9 screws per panel at 3.15" intervals across the width and 24" intervals down the length of the panel.

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

Please make sure the correct fixings are used if going into plasterboard, for example.

3. Screwing the panels into 1.8" timber battens:

We recommend screwing 1.8" timber batons to the wall and then screwing the panels directly into the batons through the acoustic felt to achieve optimum sound absorption.

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

How to cut and drill Acuslat™

When sawing or drilling the acoustic panel, it is recommended that you first tape the area where the cut is made

should be with regular masking tape. Screw or staple the slats 50 mm inside the intended saw cut. Use a fine-toothed hand saw for veneer or a countersink/circular saw with a fine-toothed blade equipped with a guide rail for best results. Carefully sand the cut with sandpaper (fine-grained 240).

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



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