SLATPANEL®

SLATPANEL® TECHNICAL SHEET

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Installation Instructions.

Dimensions.

Slatpanel® consists of a 0.35" black PET Polyester Nonwoven fabric on which are mounted 1.06" x 0.43" strips in colored black MDF veneered with real wood veneer. The strips are spaced 0.52" apart.

Info:
Each box contains two panels, both measuring 94.49" x 12.60". These panels will join next to each other seamlessly.

Each box covers:

- 94.49" / 2400mm (H)
- 25.20" / 642mm (W)
- 0.78" / 20mm (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.

How to cut Slatpanel®

We recommend a sharp saw to cut through the slats and felt width ways.

A craft knife can be used to cut through the felt to cut lengthways.

How to install Slatpanel®

There are three different options for installing Slatpanel®:

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 2" timber battens:

We recommend screwing 2" 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 sound insulation behind the panels between the batons, this will achieve Class A sound absorption.

For graphs and technical drawings, please see page 3.

For installation help, please contact:

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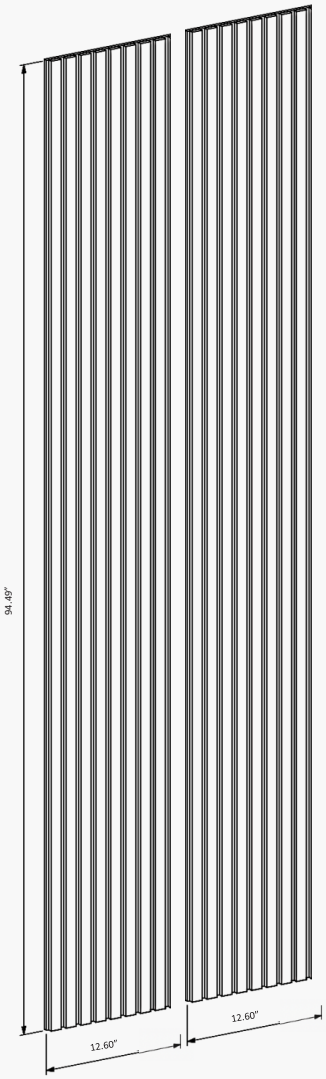
Technical drawings.

Figure 01:



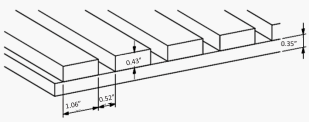
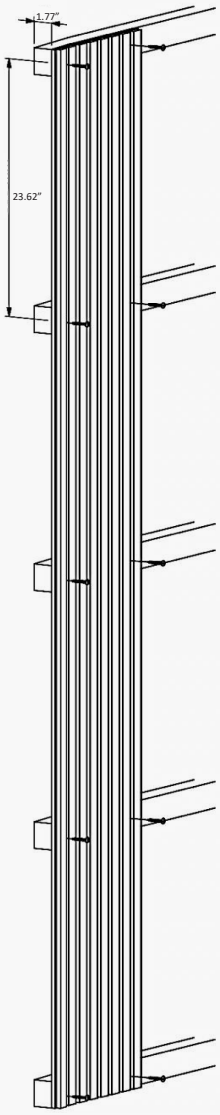


Figure 02:



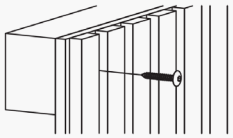


Figure 01 (Non-Batten Mounted) Sound Absorption:

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: 15.84 m² Sab - Room volume 215 m² - Room surface area 238 m³.

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

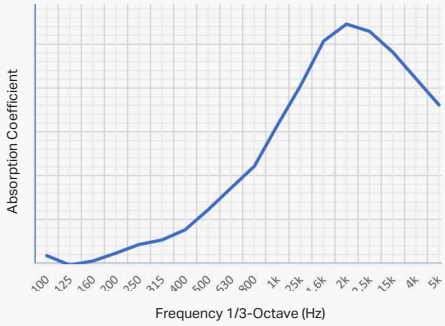


Figure 02 (Batten Mounted) Sound Absorption:

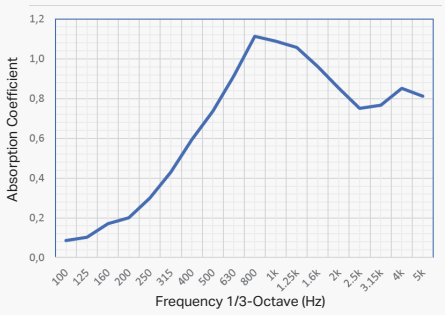
Measurement of sound absorption coefficient acc. DS/EN ISO 354:2003.

Mounting with batons: Spacing 2" behind panels. Closed frame around edges.

Test Area: 15.84 m² Sab - Room volume 215 m² - Room surface area 238 m³

If a product like Rockwool 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



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