

Beautiful. Quiet.
Good for the environment.

2400mm x 600mm standard size

11mm deep x 27mm wide lamellas

9mm fleece backing

Total thickness 20mm

6 Standard Veneer Faces

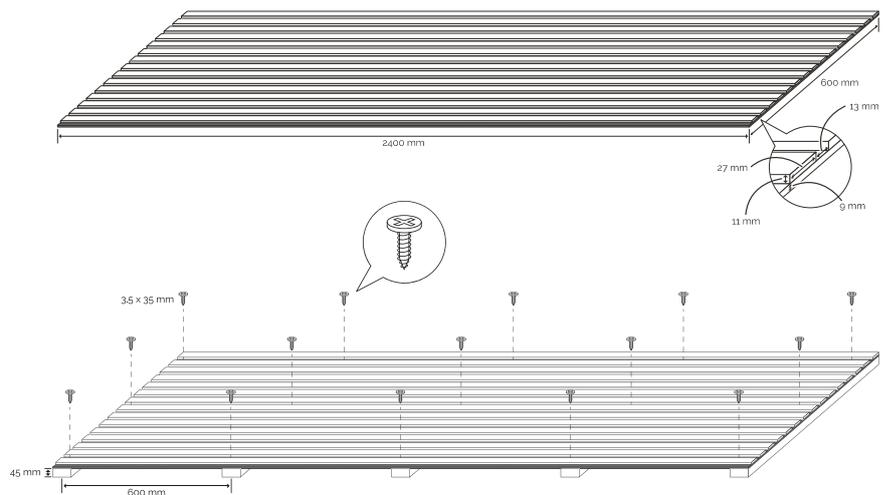
Available in a range of standard face veneers. Please see our website for the latest options.

2 Standard Fleece Colour Options

- Black
- Grey

Bespoke Options available

- 34 fleece colour options
- Almost any standard veneer specie
- Alter the width and/or spacing of the lamellas



Installation Instructions (Absorption Class C)

1. Install 45mm (thickness) battens directly to your wall/ceiling with a distance of 600mm.
2. Install the acoustic panels directly on the battens with screws (min. 3.5mm x 35mm). You can easily fit the screws between the lamellas into the underlying acoustic felt. Every panel is installed with 15 screws.
3. Cutting the panels is easily done with a fine jagged saw. The underlying acoustic felt is easily cut with a good knife.
4. For an expanded acoustic solution, you can place 45mm insulation between the studs.

Lignosi Ltd
Grangewood House,
Oakwood Hill, Loughton,
Essex IG10 3TZ
England

Phone +44 (0) 208 0160 167
Mobile +44 (0) 7999 505 404
Web lignosi.com
Email info@lignosi.com

Measurement of Sound Absorption Coefficient for Eco-Sound 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.

Product

Eco-Sound Acoustic Panel.
Wooden slat panel mounted on a polyester felt.

Wood Slat

MDF with veneer.

Thickness

11mm.

Width

27mm.

Air Gap Between Wood Slat

13mm.

Polyester Felt

9mm porous polyester felt (density 20 kg/m³).

Total Thickness of Panel

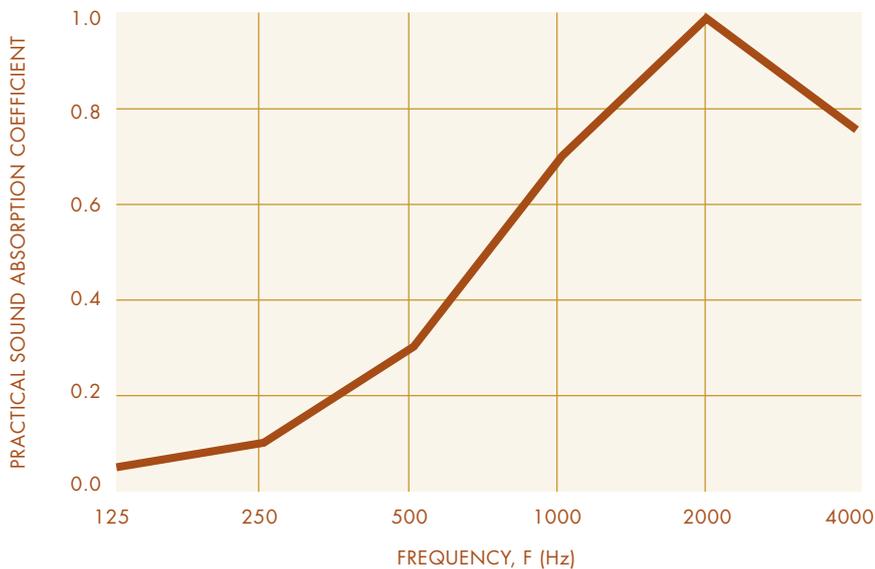
20mm.

Installation

The panels were mounted directly to the wall.

Absorption

Class D, according to EN ISO 11654: 1997



As seen in the graph, the 20mm panel, mounted directly to the wall, obtains an absorption coefficient of 0.35 (MH).

Lignosi Ltd
Grangewood House,
Oakwood Hill, Loughton,
Essex IG10 3TZ
England

Phone +44 (0) 208 0160 167
Mobile +44 (0) 7999 505 404
Web lignosi.com
Email info@lignosi.com

Measurement of Sound Absorption Coefficient for Eco-Sound Acoustic Panels, suspended 65mm, with 45mm Mineral Wool.

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

Product

Eco-Sound Acoustic Panel.
Wooden slat panel mounted on a polyester felt, with 45mm mineral wool.

Wood Slat

MDF with veneer.

Thickness

11mm.

Width

27mm.

Air Gap Between Wood Slat

13mm.

Polyester Felt

9mm porous polyester felt (density 20 kg/m³).

Total Thickness of Panel

20mm.

Mineral Wool

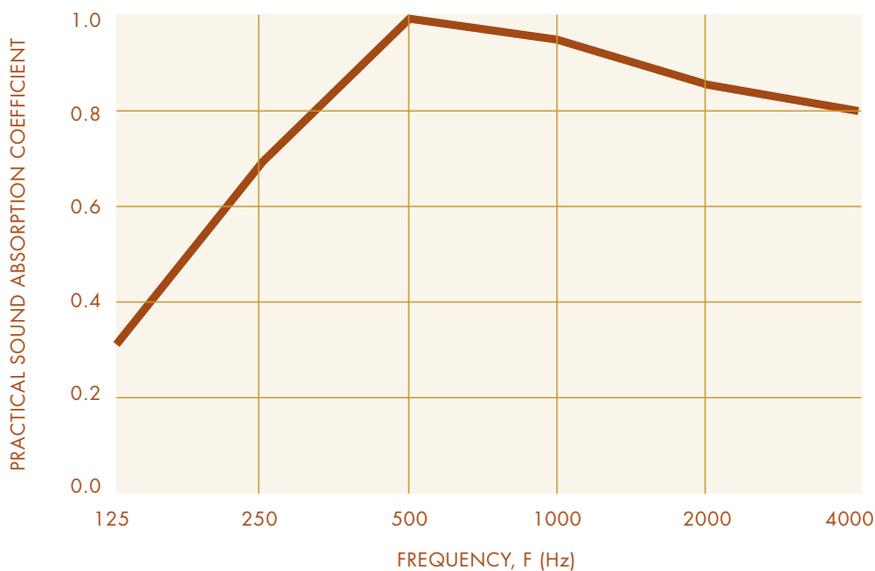
45mm ISOVER 37 Basic batts (density 15 kg/m³).

Installation

The panels were supported by 45 x 45mm laths with 600mm centre to centre distance, with mineral wool between the laths.

Absorption

Class A, according to EN ISO 11654: 1997.



As seen in the graph, the 20mm panel, suspended on 45mm of material wool obtains an absorption coefficient of 0.9 (MH).

Lignosi Ltd
Grangewood House,
Oakwood Hill, Loughton,
Essex IG10 3TZ
England

Phone +44 (0) 208 0160 167
Mobile +44 (0) 7999 505 404
Web lignosi.com
Email info@lignosi.com

Measurement of Sound Absorption Coefficient for Eco-Sound Acoustic Panels, suspended 65mm.

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

Product

Eco-Sound Acoustic Panel.
Wooden slat panel mounted on a polyester felt.

Wood Slat

MDF with veneer.

Thickness

11mm.

Width

27mm.

Air Gap Between Wood Slat

13mm.

Polyester Felt

9mm porous polyester felt (density 20 kg/m³). Total

Thickness of Panel

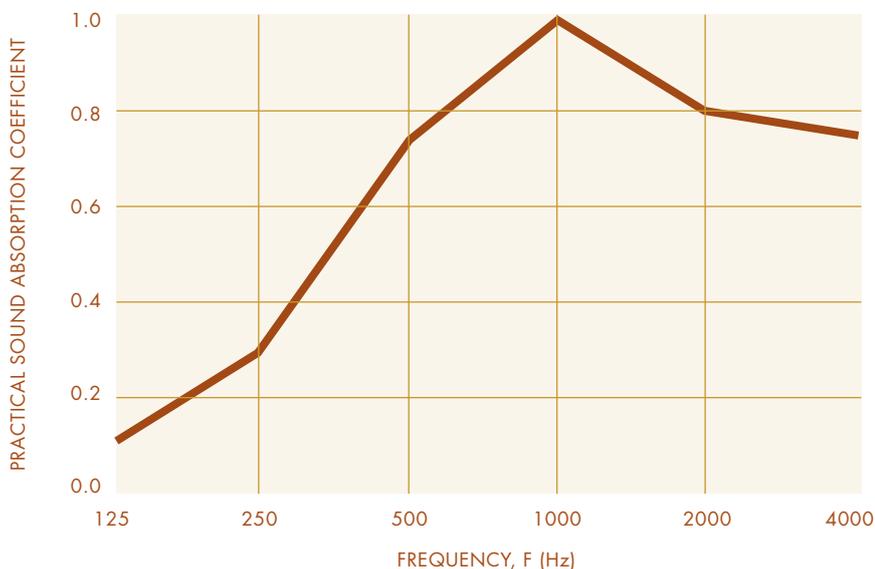
20mm.

Installation

The panels were supported by 45 x 45mm laths with 600mm centre to centre distance, with nothing between the laths.

Absorption

Class C, according to EN ISO 11654: 1997.



As seen in the graph, the 20mm panel, suspended over a 45mm air pocket, obtains an absorption coefficient of 0.60 (MH).

Lignosi Ltd
Grangewood House,
Oakwood Hill, Loughton,
Essex IG10 3TZ
England

Phone +44 (0) 208 0160 167
Mobile +44 (0) 7999 505 404
Web lignosi.com
Email info@lignosi.com