

Technical data sheet

Silent Panel Acoustic Panel - 3-sided tech wood veneer



Natural Oak



Walnut



Smoked Oak

Product description

Acoustic wall and ceiling panel for decorative indoor use. The panel consists of black MDF slats with a 3-sided tech wood veneer finish, mounted on a PET felt backing. The linear slat design gives walls and ceilings a warm, modern appearance while contributing to improved room acoustics.

The panel can be installed vertically or horizontally and is suitable for use in interior spaces such as living rooms, bedrooms, hallways, offices, meeting rooms and public areas.

Properties

- Improves room acoustics
- Decorative linear slat design
- 3-sided tech wood veneer finish
- Up to 60% recycled PET fibre
- Suitable for horizontal and vertical installation
- Easy installation with adhesive or screws
- Suitable for wall and ceiling applications

Suitable substrates

The panels can be installed on suitable, stable indoor substrates. The substrate must be clean, dry, dust-free, grease-free and sufficiently load-bearing. Loose, damp, unstable or poorly adhering surfaces are not suitable for installation.

Storage

Store the panels indoors in a dry, clean and well-ventilated area. Keep the panels flat and protected from moisture, direct sunlight, dirt and mechanical damage. Allow the panels to acclimatise to the installation area before installation if required by the project conditions.

Preparation

Before installation, check all panels for visible damage, colour differences and defects. Do not install damaged or defective panels. Make sure the substrate is clean, dry, dust-free, grease-free and stable. Determine the installation direction and layout before fixing the panels.

When using adhesive, always follow the processing instructions of the adhesive manufacturer. Do not use silicone-based adhesives, as this may cause delamination of the surface. When fixing the panels mechanically, use suitable screws and plugs for the substrate.

The information in this technical data sheet is based on product information available at the time of publication. The stated values are indicative and may vary depending on installation method, substrate, room conditions and application. This document is a technical product data sheet and is not a Declaration of Performance, CE declaration or installation guarantee. Always follow the installation instructions and use suitable fastening materials for the intended application.

Installation instructions

1. Determine whether the panels will be installed horizontally or vertically.
2. Measure the required size and mark the panel using a pencil and right angle.
3. Cut the panel to size using suitable tools.
4. Position the panel level on the wall or ceiling.
5. For wall installation, fix the panel with suitable adhesive or screws.
6. When using screws, use at least 15 screws per panel.
7. For ceiling installation, always use screws.
8. After installation, check that all panels are securely fixed.

Technical specifications

Property	Value
Dimensions	2600 x 280 x 18 mm
Slat dimensions	25 x 10 mm
Slat spacing	15 mm
Weight	Approx. 4.4 kg
Surface coverage	Approx. 0.73 m ²
Slat material	Black MDF
Backing material	Black PET fibre/felt backing
Surface finish	3-sided tech wood veneer
Recycled content	Up to 60% recycled PET fibre
Colour variants	Natural Oak, Walnut, Smoked Oak
FSC claim	FSC Mix 70%
Pack content	1 panel

Tolerances

Property	Tolerance
Thickness	+0.5 / -2 mm
Width	±5 mm
Length	+10 / -5 mm
Squareness	Max. 3 mm deviation across panel width

Performance

Property	Test method / condition	Value
Sound absorption coefficient	ISO 11654, directly wall-mounted	$\alpha_w = 0.30$
Sound absorption coefficient	ISO 11654, with 300 mm substructure/cavity	$\alpha_w = 0.80$
Absorption class	Directly wall-mounted	Class D
Absorption class	With 30 cm substructure/cavity	Class B
Reaction to fire	EN 13501-1	D-s1,d0

Safety and handling

Use suitable and sharp tools when sawing or cutting. Always work away from the body and use a stable cutting or sawing surface. Wear suitable personal protective equipment, such as safety glasses and a dust mask, when sawing or drilling. Avoid skin and eye contact with adhesive and other fastening materials. Do not install damaged, broken or deformed panels. Keep the panels away from open flames and direct heat sources. Install and process the product out of reach of children.

Limitations

The acoustic panels are intended for indoor use only. They are not suitable for outdoor applications or for installation on damp, loose or unstable substrates. The final performance depends on the substrate, installation method, room layout and environmental conditions. Always check whether the chosen adhesive, screws and plugs are suitable for the substrate and application.