



Product Data & Specification Sheet

Acoustic Panels

1. Product Overview

GretaGrove Acoustic Panels are decorative slatted wall and ceiling panels that combine sound absorption with a modern architectural finish. Each 2400 mm x 600 mm panel is manufactured from wood veneer faced MDF slats mounted on an acoustic felt backing, so the slatted face delivers a contemporary linear look while the exposed felt between the slats absorbs sound, reducing echo and reverberation within the room. Lightweight, easy to cut, and quick to install onto walls or battens, the panels are designed for consistent quality and scalability across commercial and residential projects. The range is available in a selection of wood veneer decors, alongside a matching metallic finish collection.

2. Key Features

- Combines acoustic sound absorption with a decorative slatted feature wall finish in a single panel
- Slatted design with acoustic felt backing reduces echo and reverberation, improving speech clarity and sound comfort
- Wood veneer faced slats deliver a modern architectural look for contemporary interiors
- Suitable for both wall and ceiling installations in commercial and residential environments
- Flexible installation: mount directly onto walls or onto batten systems
- Lightweight yet durable construction for long term stability and reliable performance
- Easy to cut to size around openings, sockets, and room dimensions
- Consistent quality and scalability for large commercial and B2B projects

3. Technical Specification

Construction	Wood veneer faced MDF slats bonded to an acoustic felt backing
Panel Length	2400 mm
Panel Width	600 mm
Coverage per Panel	1.44 m²
Overall Thickness	22 mm (slat plus felt)
Slat Configuration	300mm slats with 120mm gaps
Backing	Recycled acoustic felt
Weight	11kg per panel
Panels per Carton	2

Acoustic Performance	Sound Absorption Class A ($\alpha_w = 0.90$) to ISO 11654, NRC 0.85, confirm against Sound Absorption Test Report XMIN2312001591CM03-1_EN
Fire Classification	TBC
Decor Availability	Wood veneer decors including Light Walnut, Grey Oak, Natural Oak, Ash Grey, Black Oak, and Choco Brown, plus a metallic finish collection. Refer to the current GretaGrove range listing.
Surface	Decorative wood veneer face, no further decoration required

4. Acoustic Performance

The panels work by absorption: sound passes between the slats and is absorbed by the felt backing, reducing the amount of sound reflected back into the room. This lowers echo and reverberation, which is most noticeable in rooms with hard surfaces such as offices, meeting rooms, restaurants, and open living spaces. Absorption performance depends on the installation method; mounting on battens with an air gap, or with insulation behind the panel, increases low frequency absorption compared with direct wall mounting. Acoustic panels improve the sound quality within a room; they are not a soundproofing product and do not prevent sound transmission between rooms.

5. Composition and Manufacture

Slats are manufactured from moisture resistant grade MDF with a decorative wood veneer face, precision mounted to a needle punched acoustic felt backing. The veneer face requires no further treatment. Natural variation in veneer grain and tone between slats and panels is a characteristic of real wood products and not a defect.

6. Applications

Suitable for internal feature walls and ceilings in offices, meeting rooms, reception areas, restaurants, bars, hotels, retail units, salons, home offices, living rooms, media rooms, bedrooms, and hallways. Panels are for internal, dry applications; they are not suitable for external use, wet areas such as shower enclosures, or areas of sustained high humidity or high temperature. Panels are decorative acoustic cladding and are not a structural or load bearing product; heavy items must be fixed through to the substrate behind.

7. Installation

Fix through the felt backing between the slats using screws into battens or directly into a sound, flat, dry wall, or bond with a high grab solvent free panel adhesive such as Froggit Adhesives in combination with mechanical fixings. For ceiling installations, mechanical fixing is required. Panels can be cut to size with a fine tooth saw and installed vertically or horizontally. Allow panels to acclimatise in the installation room for a minimum of 48 hours before fitting, as MDF based products respond to changes in humidity. Full requirements are set out in the GretaGrove Acoustic Panels Installation Guide, compliance with which is a condition of the product warranty.

8. Handling, Storage, and Packaging

Panels are supplied by the carton. Store cartons flat, indoors, in dry conditions, fully supported across their full area, away from heat sources and direct sunlight. Carry panels on edge with two people, taking care not to flex the panel or catch slat ends. Check batch numbers where multiple cartons are used within the same installation and dry lay a selection to confirm veneer consistency before fitting.

9. Warranty and Supporting Documents

This product is covered by the GretaGrove product warranty, subject to its terms and conditions. This sheet should be read alongside the GretaGrove Acoustic Panels Installation Guide, Product Warranty, and Fire Rating Certificate, all available from GretaGrove on request.

10. Important Information

The information in this sheet is provided in good faith and is correct at the date of issue. Values stated are typical and may be subject to normal manufacturing tolerances. Natural variation in veneer grain and tone between slats, panels, and production batches is a normal characteristic of real wood products. GretaGrove reserves the right to amend the specification without notice as part of continuous product development. It is the responsibility of the specifier and installer to confirm the suitability of the product, including its fire classification and acoustic performance, for the intended application.

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