



# Installation Guide

## Acoustic Panels

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| <b>Application</b>     | Internal feature walls and ceilings in domestic and commercial settings, dry areas only                                                  |
| <b>Panel Sizes</b>     | 2400 mm x 600 mm, 2900 mm x 600 mm, and 600 mm x 600 mm, all 21 mm overall thickness                                                     |
| <b>Fixing Method</b>   | Screws through the felt backing into battens or the substrate; adhesive may assist on walls but must be combined with mechanical fixings |
| <b>Ceilings</b>        | Mechanical fixing only, into battens or joists                                                                                           |
| <b>Perimeter Gap</b>   | 5 mm minimum at floors, ceilings, and abutments                                                                                          |
| <b>Acclimatisation</b> | Minimum 48 hours flat in the installation room                                                                                           |

### 1. Before You Start

Read this guide in full before beginning. It applies to all Acoustic Panel sizes: 2400 mm x 600 mm, 2900 mm x 600 mm, and 600 mm x 600 mm. Installation must follow this guide for the product warranty to remain valid. If in doubt at any stage, contact GretaGrove for advice before proceeding.

- Check all panels on delivery. Do not install damaged or defective panels. Claims for visible defects cannot be accepted once a panel has been installed.
- Store panels flat, indoors, in dry conditions, fully supported across their full area, and away from heat sources, damp, and direct sunlight.
- Allow panels to acclimatise flat in the installation room for a minimum of 48 hours before fitting, as MDF based products respond to changes in temperature and humidity.
- Panels are for internal, dry areas only. Do not install in bathrooms, shower areas, or rooms with sustained high humidity.
- Wood veneer is a natural product. Check batch numbers where multiple cartons are used, and dry lay panels side by side before fixing to arrange grain and tone variation into a pleasing, even spread across the wall.

### 2. Tools and Materials

- Tape measure, pencil, straight edge, and spirit level or laser level
- Fine tooth handsaw, circular saw or jigsaw with a fine tooth blade, and a sharp trimming knife for cutting the felt
- Drill, driver, and suitable fixings: dark headed or black screws (typically 3.5 mm x 35 to 45 mm) that sit discreetly in the felt channels, with wall plugs appropriate to the substrate

- A solvent free panel adhesive such as Froggit Adhesives, if using adhesive assistance on walls
- Treated timber battens (typically 25 mm x 50 mm) if battening out or improving acoustic performance
- Drill and hole saw for sockets and fittings, safety glasses, dust mask, and suitable access equipment

### 3. Planning and Preparing

1. Check the wall or ceiling. It must be structurally sound, dry, and reasonably flat. Remove any loose material and mark the positions of studs or joists where fixing directly into the structure.
2. Choose the fixing approach. Fix directly to a sound, flat wall by screwing through the felt into the substrate, with adhesive as optional assistance. Batten out where the surface is uneven, where services run behind, or where improved acoustic performance is wanted: mounting on battens creates an air cavity behind the panel, which increases sound absorption, particularly at lower frequencies. Fit battens perpendicular to the panel direction at maximum 600 mm centres, with battens at every panel end and edge.
3. Plan the layout. Panels can be fitted vertically or horizontally. Set out from the most visible corner or centre the layout on the feature wall so cut panels fall evenly at both ends. The 600 mm x 600 mm format can be arranged as a grid or with slat directions alternated for a chequer effect; plan the pattern before fixing the first panel. Where panels butt together, the felt edges should meet neatly so slat spacing remains consistent across the joint.
4. To reduce a panel's width, cut along the felt channel between two slats with a sharp knife against a straight edge; this leaves a clean felt edge with no sawing. To reduce length, cut across the panel with a fine tooth saw, decorative face upwards, supporting the panel close to the cut line.
5. Isolate the electrical supply before working around sockets, switches, or light fittings, and cut openings with the panel offered up dry first. Electrical work must be carried out by a qualified electrician.

### 4. Fitting to Walls

1. Position the first panel, checked plumb (or level, for horizontal runs) with a spirit level, leaving a 5 mm gap at floor level. Every following panel follows the line of the first.
2. If using adhesive assistance, apply beads of adhesive to the back of the panel at approximately 300 mm centres, press the panel firmly into place, then fix mechanically as the adhesive cures. Adhesive alone is not an approved fixing method.
3. Screw through the felt channels between the slats into the battens or substrate, using dark headed screws so the fixings disappear into the felt. Fix in every channel at panel ends, and at maximum 600 mm centres along the panel length, drawing the panel up snug without crushing the felt.
4. Butt the next panel to the first with the felt edges meeting neatly, checking that slat spacing across the joint matches the spacing within the panels, and fix as before. Check plumb or level every two to three panels.
5. At internal corners, run the felt edge of one panel tight into the corner and butt the adjacent wall's panel to it, maintaining the slat rhythm. At external corners and exposed panel edges, finish with a matching trim or leave the clean felt cut edge exposed as a deliberate detail.

6. Cut the final panel to width along a felt channel, maintaining the 5 mm perimeter gap, and fix as before.

## 5. Fitting to Ceilings

1. Ceiling installations must be mechanically fixed; do not rely on adhesive for any overhead fixing.
2. Fix battens to the ceiling structure at maximum 400 mm centres, perpendicular to the panel direction, with battens at every panel end, or fix directly into joists where their spacing and direction allow.
3. Screw through the felt channels into every batten or joist crossing, at maximum 400 mm centres along the panel, using fixings that penetrate the structure by a minimum of 25 mm. Two person installation is required for the 2400 mm and 2900 mm panels overhead.
4. Around light fittings, cut openings dry before lifting the panel, allow clearance per the fitting manufacturer's requirements, and use fire rated fittings where required.

## 6. Care and Maintenance

Dust with a soft dry cloth or vacuum gently with a brush attachment along the direction of the slats. Remove marks on the veneer with a barely damp cloth and dry immediately. Do not use wet cloths, abrasive cleaners, solvents, polishes, or spray cleaners, and do not allow moisture to reach the felt or the MDF core. No painting, sealing, or further decoration is required.

## 7. Do Not

- Do not install in bathrooms, shower areas, or other wet or high humidity environments, or externally
- Do not rely on adhesive alone, and never use adhesive as the sole fixing overhead
- Do not hang heavy items directly from the panels; fix through to the structure behind
- Do not install tight to floors, ceilings, or abutments without the 5 mm gap
- Do not crush the felt by overtightening fixings, and do not fix through the face of the slats
- Do not install panels directly against heat sources such as radiators, flues, or stoves without suitable clearance

## 8. Health and Safety

Cutting MDF produces fine dust: always wear a dust mask and safety glasses, cut in a ventilated area, and clean up dust with a vacuum rather than sweeping. Handle the 2400 mm and 2900 mm panels with two people. Use suitable, stable access equipment when working at height, particularly for ceiling installations, and never overreach. Follow the adhesive manufacturer's instructions at all times. This guide is provided for competent DIY installers and trade professionals; if you are unsure, use a qualified installer.