Revive

ACOUSTIC PANELS

REVIVE ACOUSTIC PANELS INSTALLATION GUIDE

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1. Introduction

Revive Acoustic Panels are interior wall panels designed for sound absorption and decorative wall finishes. The system consists of a slatted surface bonded to an acoustic backing layer.

Panels are intended for internal applications only and may be installed directly to suitable substrates or onto battens depending on wall condition and acoustic requirements.

2. Pre-installation Requirements

2.1 Substrate Assessment

Assess the wall before installation:

- Flat, clean, dry, sound; direct fixing or adhesive permitted
- Uneven or contaminated; clean, repair, or level surface
- Weak or unreliable; install battens and fix panels to battens

Do not install onto loose, flaking, or damp surfaces.

2.2 Suitable Substrates

- Plastered masonry or concrete
- Drywall / gypsum board
- Timber

2.3 Environmental Conditions

- Interior use only
- Area must be dry and enclosed

3. Safety

- Wear eye protection when cutting
- Use a dust mask when sawing
- Use gloves when handling panels
- Follow all tool and adhesive manufacturer safety instructions

4. Cutting and Handling

4.1 Cutting

- Use circular saw or fine-tooth saw
- Support panel fully during cutting
- Ensure clean, square cuts
- When cutting panels to length, keep the overlap edge (the edge that sits on top of the next panel). Do not cut off this edge, as it is required to conceal the joint and maintain correct panel coverage.

4.2 Handling

- Avoid damage to edges and corners
- Do not drag panels

5. Fastening

5.1 Adhesive Fixing

Adhesive fixing is the primary installation method for wall applications where the substrate is suitable for direct bonding.

- **Adhesive Selection**

  Use a high-quality construction adhesive suitable for interior applications, including:
  - MS Polymer / Hybrid : Sika (Sikaflex®-118), Soudal (Fix All)
  - Polyurethane (PU): SikaBond / Sikaflex PU range
  - Mounting Adhesives: Pattex, Alcolin, Genkem, Bostik, Den Braven (e.g. No More Nails / Grab Adhesives/Screwit)

  Important note

  Adhesive performance is dependent on substrate condition and environmental factors, including surface preparation, temperature, and humidity. Always ensure compatibility with both the substrate and polyester backing and follow the adhesive manufacturer's instructions.

- **Substrate Conditions**

  Adhesive fixing is only suitable where the substrate is:
  - Flat and even
  - Clean, dry, and dust-free
  - Structurally sound and well-bonded

- **Limitations**

  Do not use adhesive fixing where:
  - Substrate is uneven, weak, or unreliable
  - Installation is overhead (ceilings)

5.2 Mechanical Fixing (Subframe-Based Installation)

Mechanical fixing is used where adhesive fixing is not suitable or where a controlled fixing system is required.

- **When Required**
  - Substrate is uneven or unsuitable for bonding
  - Installation is overhead (ceilings)
  - A subframe is required to create a flat fixing surface
  - Additional fixing strength or long-term retention is required
  - When you want to achieve Grade A Acoustic certification

- **Subframe Requirements**
  - Provide a flat, level, and continuous fixing surface
  - Battens must be securely fixed to the primary structure
  - Spacing must support panel edges and allow consistent fixing (maximum 605 mm spans)
  - Subframe must be structurally sound

- **Fixing Requirements**
  - Fix through the acoustic backing only (not through slats)
  - Use black or colour-matched screws
  - Provide minimum 3 screws per batten/joist, evenly spaced across panel width (≈200 mm C/c spacing)
  - Do not overdrive use a wafer head screw or similar wide head screws — avoid compressing the backing
  - Ensure panels are flat with no gaps or bowing
  - Battens/Joist needs to be spaced 600mm

- **Fastener Selection**
  - **Timber:** coarse thread screws
  - **Steel:** self-drilling screws (match thickness)
  - **Concrete / Masonry:** wall plugs and screws or suitable anchors

6. Acoustic Performance

General

Acoustic performance depends on the installation method and whether insulation is used behind the panels.

Wall Installation

- Panels fixed directly to a solid surface (screwed or glued) will provide limited acoustic absorption (approx. Class D).
- To achieve improved acoustic performance (up to Class A), install panels over a subframe and place mineral wool / glass fibre insulation between the battens before fixing the panels.

Ceiling Applications

- Panels must be mechanically fixed (screwed) to a suitable subframe
- Adhesive fixing alone is not acceptable
- The supporting structure must be assessed and approved by a competent person

Key Requirements for Class A Performance

- Use a battened subframe system
- Install acoustic insulation (e.g. mineral wool or glass fibre) between battens
- Ensure insulation is cut to fit snugly with no gaps
- Maintain full panel coverage over the insulated area

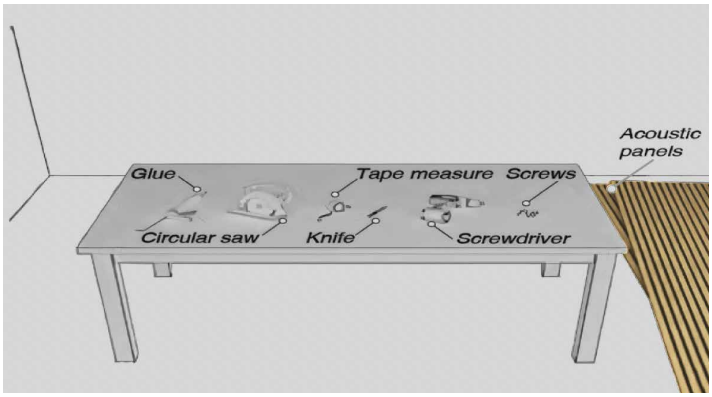
7. Limitations

- Interior use only
- Not structural
- Not suitable for wet or high-moisture environments
- Adhesive performance depends on substrate condition
- Do Not use Wall panels to cover damaged or damp walls

8. Maintenance

- Clean using a dry or slightly damp cloth
- Do not use abrasive cleaners or solvents
- Avoid prolonged exposure to damp/wet conditions

9. Installation Steps

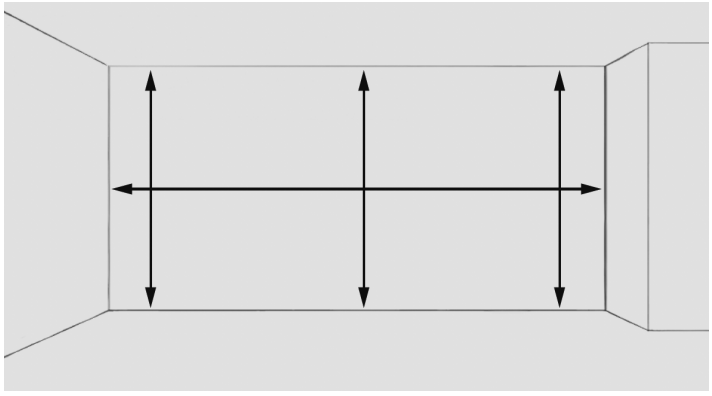


Step 1: Prepare & Clean

Start by preparing the wall. Wipe the surface down with a dry cloth to remove dust or debris. A clean surface ensures the adhesive bonds properly

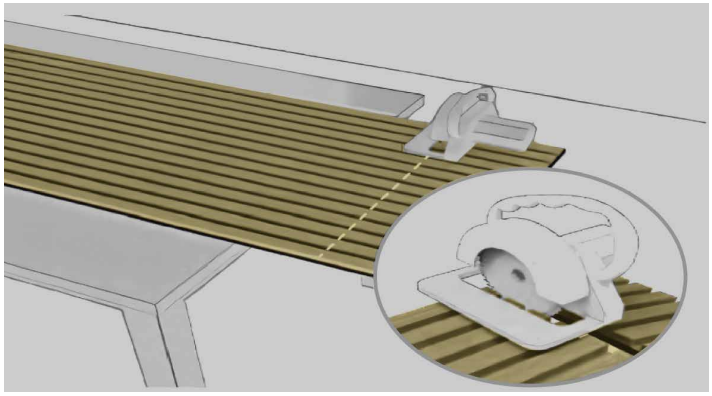
These are the tools needed:

- Circular saw or sharp hand saw
- Drill
- Measuring tape or ruler
- Glue dispenser
- Adhesive glue
- Pencil
- Stanley blade
- 15mm screws (for loose slats) / Suitable screws



Step 2: Measure the wall.

Measure the height of the wall at various points, or even for every panel to ensure the floor and ceiling are level, and the panel is cut to the correct size. Measure the width of the wall to calculate how many panels will be required.

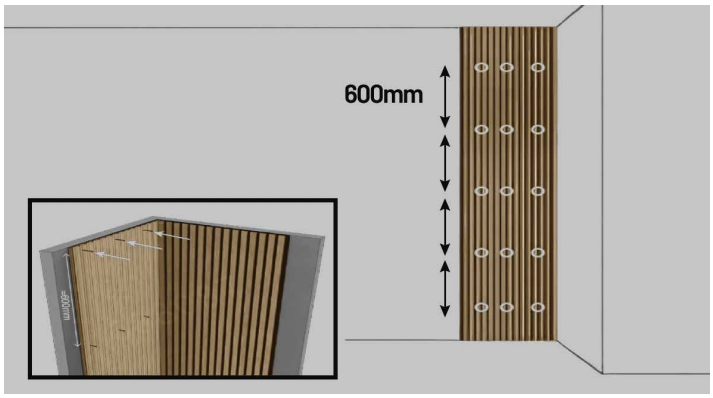


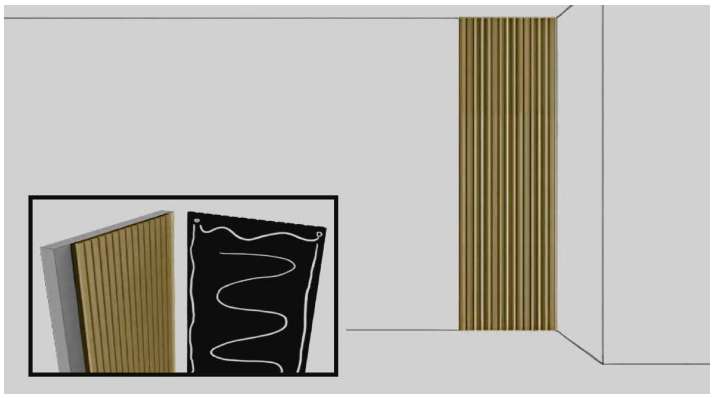
Step 3: Measure, Mark and Cut Panels

Transfer your measurements onto the acoustic panel. Use a pencil to mark where the panel needs to be cut

Cut the Panels

Cut the panel using a circular saw or a sharp hand saw. Take your time to ensure clean, straight cuts. After cutting, secure any loose slats by fastening them through the felt and into the slats using 15mm screws or with your adhesive. This prevents the slats from hanging loose once installed





Step 4: Mounting the panels

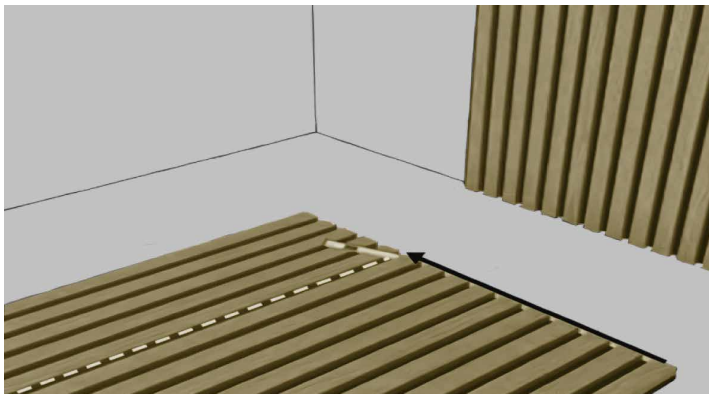
1. Screw installation

Fasten the acoustic panels by screwing the suitable screws between the slats, into the wall or substructure

- We recommend 3 screws per panel width, and at 600 internals on the length of the panel.
- Screws every 600 mm

2. Adhesive installation

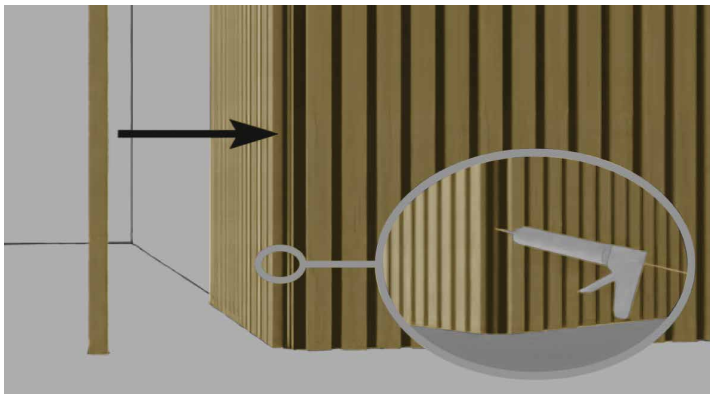
Apply adhesive to the back of the panel. Use approximately half a tube of glue per panel for proper bonding. Position the panel on the marked area of the wall and press firmly across the entire surface. The glue will bond within 20 to 30 seconds, with no additional support needed. Check that the panel is straight using a spirit level as you go.



Step 5: Installing the final panel

When you reach the end of the wall, you may need to adjust the panel width to fit the remaining space.

Trim the panel by cutting through the felt with a sharp knife, then glue the final section into place



Step 6: Finishing Trim

For a finishing trim, remove one wood slat from the felt backing by removing the staples at the back of the felt. Glue this wood slat or edge strip in place, after your final panel, to hide the black felt and finish your installation.

Step 7: Complete the installation.

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