



SOUNDWEAVE

12mm Acoustic PET Panel

INSTALLATION & CARE GUIDE

SOUNDWEAVE, THE AFFORDABLE AESTHETIC EFFECTIVE ACOUSTIC PANEL

PANEL SPECIFICATION
Thickness: 12 mm Width: 1200 mm Height: 2400 mm Material: 100% PET (recycled content) Finish: Felt face – acoustic & pinable

Straight-to-the-point installation instructions for Australian installers and DIY-savvy customers.
Read this entire guide before you cut or install.

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1. BEFORE YOU CUT OR INSTALL

Soundweave 12 mm PET acoustic panels are designed to be simple, effective and good-looking. Follow these steps and you'll get a clean, professional result every time.

Check on delivery

- Inspect every panel for transit damage the moment it arrives. Note any issues on the delivery docket.
- Confirm correct colour, quantity and that you have the full 1200 × 2400 mm panels.
- Panels are sequenced for colour consistency. Keep them in the order they arrive.
- Lay panels out in sequence on a clean flat surface and do a visual colour check before cutting anything.
- By cutting or installing you accept the panels as suitable. We cannot accept claims for colour variation after installation.

Inherent characteristics (straight talk)

PET felt is a natural fibre product. Slight thickness variation (1–2 mm) and fibre mix differences between panels are normal. Panel joins will be visible — this creates the clean panelling effect that looks intentional and modern. Installers may need to make minor onsite adjustments for a perfectly flush finish.

Sequence & labelling

Panels are packed and labelled in production sequence to minimise colour variation. Always install in the order shown on the box and panel labels. If labels are present on the reverse, follow the numerical sequence top-to-bottom and left-to-right.

TYPICAL PANEL LABEL (BACK)	TYPICAL BOX LABEL
Soundweave 12mm PET Colour: Charcoal / Light Grey Batch: SW-XXXX Panel #: 01 of 08 Size: 1200 × 2400 mm	Soundweave Acoustic Panels 12 mm × 1200 × 2400 mm Colour: Light Grey Qty: 4 panels Box: 1 of 3 Sequence: Install in order

2. HANDLING, STORAGE & TOOLS

Transport & handling

Panels are semi-rigid. Treat them with care so they arrive and stay looking perfect.

- Always carry boxes and panels **vertically upright** with two people. Never carry horizontally.
- Wear clean gloves to avoid marks and fingerprints.
- Do not bend or flex panels — this causes permanent creases.
- When removing a panel from a stack, lift it straight up. Never drag it across the panel below (this scores the face).
- Keep both faces clean at all times.

Storage

- Store indoors only — clean, dry, cool, well-ventilated.
- Never store directly on concrete or any moisture-emitting surface.
- Lay the entire panel flat on a solid, level, dry surface. Do not store on edge.
- Avoid heat above 65 °C, radiators, steam pipes or direct sunlight.
- Keep workbenches clean to prevent soiling or scratching.

Tools you will need

Clean gloves • Soft cloth • Tape measure • Utility knife (sharp blades) • Straight edge / metal cutting guide • Festool or circular saw with fine blade (optional) • Marker • Construction or contact adhesive (suitable for PET) • Drop sheet • Smooth roller (carpet roller ideal) • Spirit level / laser • Drill + wall plugs if mechanical fixings required • Square

Surface preparation

- Walls and ceilings must be clean, dry, dust-free and free of dents, cracks or loose material.
- Fill and sand imperfections with interior-grade filler.
- Wipe the surface with a clean damp cloth and allow to dry completely.
- Most common substrates (plasterboard, timber, MDF, concrete, block) work well once sealed if required by the adhesive manufacturer.

3. MEASURING, PLANNING & KEY RULES

Measure twice

- Measure the full wall or ceiling area and draw a simple install plan.
- Check each wall section — most walls are not perfectly straight or plumb.
- Use a long level or laser. If the wall is significantly out, consider split battens or packing.
- Soundweave 12 mm panels are supplied at 1200 mm wide × 2400 mm high. Plan your layout around full panels where possible.

Critical rules (do not skip)

- 1. Vertical orientation only.** Horizontal installation can highlight joins under typical lighting.
- 2. Consistent top-to-bottom orientation.** Mark the back of each panel so every panel faces the same way. This avoids colour or texture variation.
- 3. Install in sequence.** Follow box and panel numbering to keep colour consistent across the wall.
- 4. Square and trim on site.** Check every panel is square. Trim a clean edge with a sharp utility knife and long straight edge if needed before final cutting to length.
- 5. Place cut panels thoughtfully.** If the wall is not an exact multiple of 1200 mm, put the smaller cut panel at one end or two equal cuts at both ends for a balanced look.

Trial fit first

Always dry-fit a few panels before applying adhesive. Check thickness consistency at eye level. If one panel is slightly thinner, pack the back with double-sided tape or a thin strip of adhesive so the face finishes flush.

4. INSTALLATION – BUTT JOIN METHOD

This is the standard, cleanest method for Soundweave 12 mm panels. Intermediate panels are tightly butt-joined. Optional aluminium edging can be used on exposed perimeters if desired.

Step-by-step

- **1. Prepare the area** — Lay a clean drop sheet. Have adhesive, roller, gloves and panels ready in sequence.
- **2. Square & cut** — Measure, square and cut each panel to exact height/width as required. Always trial the cut on scrap first.
- **3. Dry fit** — Place panels against the wall in final position and check joins and level.
- **4. Apply adhesive** — Use a high-quality contact adhesive or construction adhesive proven for PET felt. Apply to both the wall and the back of the panel according to the adhesive manufacturer's instructions (typically 80–100 % coverage). Allow the correct open/tack time.
- **5. Position carefully** — Start with the first panel at one end. Fit it firmly against any corner or starting edge. For subsequent panels, press the butt join tight first, then smooth the panel outward.
- **6. Roll thoroughly** — Immediately roll the entire panel with a smooth carpet roller or firm hand pressure, working from the join outward and then over the whole face. This ensures full adhesive transfer and a strong bond.
- **7. Check flush** — Look along the joins at eye level. Pack any slightly low panels from behind if needed before the adhesive fully sets.
- **8. Continue in sequence** — Install the next panel the same way. Keep joins tight and faces flush.

Adhesive tips

- Always test a small offcut on the actual substrate first.
- Follow the adhesive manufacturer's open time and coverage recommendations exactly.
- Clean any squeeze-out immediately with the recommended cleaner before it skins.
- Full cure is typically 24 hours — avoid heavy impact or hanging items during this period.

Optional: Aluminium edging

If the run of panels does not finish against a wall, ceiling or floor, use natural anodised aluminium edging profiles sized for 12 mm panels. Fix the edging first, then tuck the panel edge into the profile. Edging can be butted or spaced for a shadow-line detail. External corners can overhang slightly; internal corners measure from the outer face of the profile.

5. CUTTING & ADDITIONAL FIXING NOTES

Cutting rules (PET behaves like plastic)

- Always trial cuts on scrap first.
- Use sharp, clean blades only. Dull blades melt or tear the material.
- Slow, consistent feed rate. Multiple light passes are better than one deep cut.
- Support the panel fully and minimise vibration.
- Recommended: Festool saw + metal guide, fine-tooth circular saw, or sharp utility knife with long straight edge for clean scoring and snap or multiple passes.
- For curved cuts a narrow band-saw blade with set works well.
- Never force the cut. Let the tool do the work. Overheating will fuse the fibres.

Drilling (if required)

Only drill 12 mm Soundweave panels if you need mechanical fixings. Use a sharp clean bit, reverse (anticlockwise) for best results, and support the exit side to avoid breakout. Do not over-clamp. Mechanical fixings are rarely needed when adhesive is applied correctly.

Ceiling installation note

For ceilings, use the same adhesive system but consider adding a high-grab construction adhesive bead around the perimeter (approx. 100 mm) for extra security while the main adhesive cures. Work from the centre of the panel outward and support the panel until initial grab is achieved. Full 24-hour cure is essential before removing any temporary support.

What success looks like

- Tight, clean butt joins with no gaps or ledging.
- Consistent face plane across the whole wall.
- No adhesive visible on the face.
- Panels installed in correct sequence and orientation.
- Professional, intentional panelling aesthetic.

6. CARE & MAINTENANCE

Soundweave 12 mm PET panels are tough, but a little care keeps them looking sharp for years.

Regular care

- Protect from direct, prolonged heat and strong sunlight where possible.
- Lightly dust with a soft cloth or vacuum with a soft brush attachment to prevent dust build-up.
- Avoid abrasive cleaners or scrubbing — this can damage the felt face.

Spot cleaning

- Professional cleaning is always the safest option for large or stubborn marks.
- Always test any cleaner on an inconspicuous area first.
- Blot (don't rub) excess spills immediately with a clean dry sponge or cloth.
- Most marks respond to a mild detergent + warm water solution applied lightly. Do not saturate the panel.
- Once the mark is loosened, blot the solution out with a clean dry cloth.
- Sponge with clean warm water and blot dry.
- Dry cleaning fluid can be used sparingly — lightly sponge and blot.
- Dry away from direct heat and sunlight.
- Never use carpet shampoos or saturate the panel — this can affect the adhesive bond behind.

Important note on cleaning

Consider the effect of any cleaning method on the adhesive behind the panel. Spot cleaning only is recommended. If in doubt, call a professional cleaner experienced with acoustic felt products.

7. SAFETY, FIRE & RECYCLING

Product safety

Soundweave panels are 100 % polyester (PET) non-woven / thermally bonded acoustic panels. Classified as Non-Hazardous under Australian criteria. No special first-aid measures required for normal handling. When cutting with power tools, wear appropriate PPE: eye protection, dust mask and hearing protection.

Fire performance

Individual fire test reports are available on request. The material has a relatively low flame response. It will melt if exposed to temperatures above approximately 250 °C. In the event of fire, evacuate and contact emergency services. Use water fog to cool affected packs if safe to do so.

Recycling

Soundweave panels are fully recyclable. At end of life they can be returned through our recycling program (details on website) or disposed of in an approved landfill. They contain no ozone-depleting chemicals.

NEED HELP?

Installation questions? Colour matching? Large commercial runs?

Contact the Soundweave team — we're bootstrapped, hands-on and happy to talk real-world installs.

soundweave.com.au

Email: hello@soundweave.com.au

This guide is provided in good faith. Always follow adhesive manufacturer instructions and local building codes. Soundweave reserves the right to update specifications. Installers are responsible for ensuring suitability for the specific project.

SOUNDWEAVE
Affordable. Aesthetic. Effective.
12 mm Acoustic PET Panels for real Australian spaces