

Apollo Systems

Installation Guide

Apollo Wood Wool Acoustic Panels | Walls & Ceilings

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Pre-Installation & Acclimatisation

Correct storage and acclimatisation are critical to maintaining panel flatness, dimensional stability, and long-term quality.



FLAT STORAGE

Panels must be stored flat on a clean, level surface supported by timber bearers spaced no more than 600mm apart.



DRY ENVIRONMENT

Store panels in a fully enclosed, dry environment. Protect from rain, moisture, excessive humidity, and condensation.



NO OUTDOOR STORAGE

Never store panels outdoors, even if wrapped in original plastic protective packaging.



PALLET STACKING

Do not stack pallets higher than recommended (max 2 pallets high).



Handling Recommendations

Carry panels vertically to prevent sagging. Support larger panels with two people.

Do not drag panels over each other, as the abrasive wood wool texture can mark the surface finish.

Protect all corners and edges from damage. Do not install damaged panels.



Acclimatisation Requirements

Apollo Wood Wool is a natural timber-based product. Prior to installation, panels must be allowed to acclimatise in the final installation environment for a minimum of **120 hours**. Panels must remain stacked and supported flat during this process.

Failure to acclimatise panels will result in dimensional movement or joint opening after installation.

IMPORTANT: SITE CONDITION CHECKLIST



Installation must only begin when all wet trades (plastering, painting, tiling, screeding) are complete, building moisture levels have fully stabilised, the space is completely enclosed and weatherproofed, and HVAC systems are operational.

Substructure

Apollo Wood Wool panels are engineered to be mechanically fixed directly to timber battens, steel framing systems, or approved ceiling grid substrates using colour-matched Apollo fixing screws.

FURRING CHANNELS & BATTENS

Substructure must consist of any of the following:

- 50mm wide-face furring channels
- Side-by-side standard furring channels at panel joints
- Timber battens (e.g. 70 × 35mm) installed perpendicular to the long edge of the panels

CENTRES SPACING

Battens must be installed at maximum 600mm centres (typically 0mm, 600mm, and 1200mm relative to the panel joints).

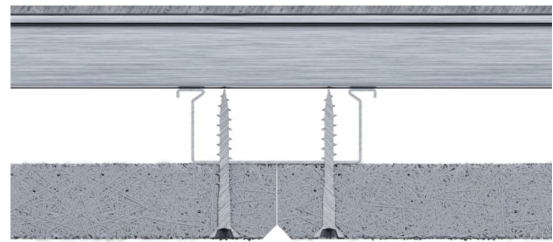
ENGINEERING

Substructure and framing centres must comply with project-specific structural and wind-loading engineering requirements.

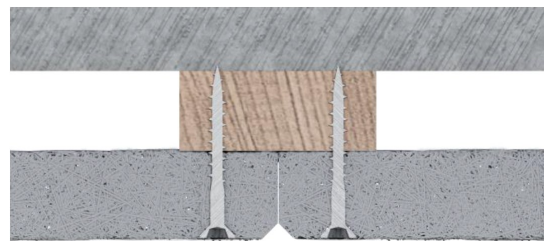
DATUM ALIGNMENT

Wall substrates must be plumb. Begin installation from a fixed, level datum line and check alignment regularly.

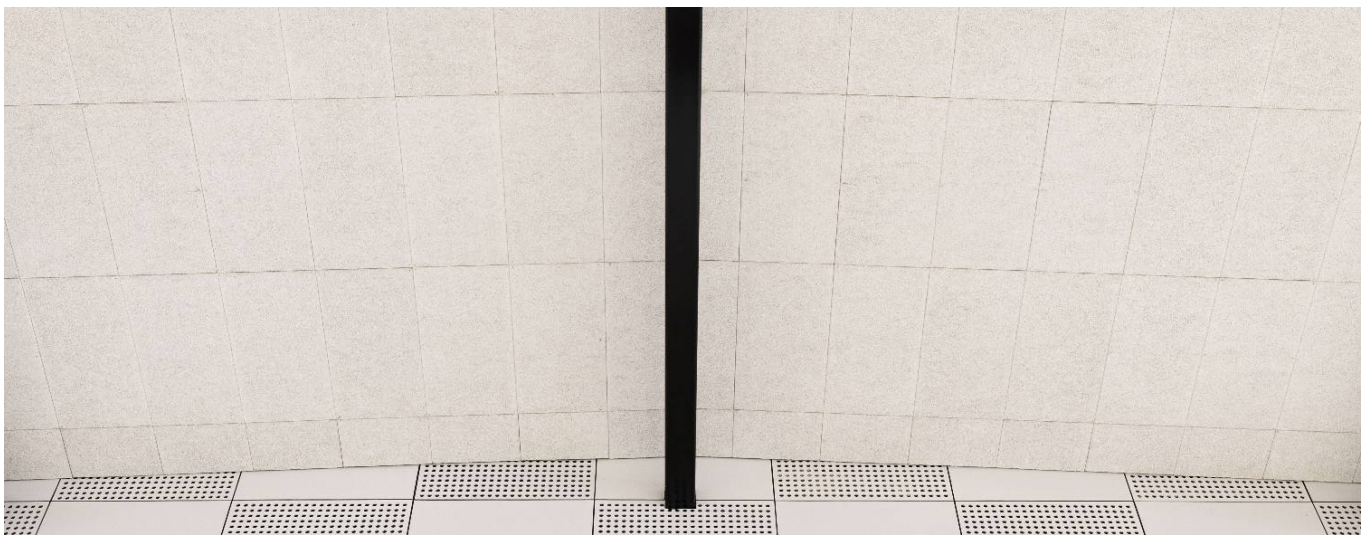
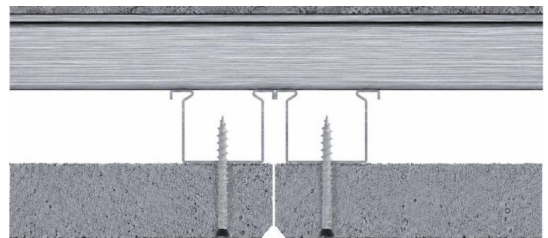
WIDE FACE FURRING CHANNELS



TIMBER BATTENS



DOUBLE STANDARD FURRING CHANNELS



Fastener & Screw Guide

Use Apollo colour-matched, flat-head screws. Screw heads must finish exactly level with the face of the panel so the fixing blends into the wood wool texture.

BEST PRACTICE — APOLLO DEPTH SETTER

Use the Apollo Depth Setter Drill Bit to help prevent screws from being overdriven. Correct depth is achieved when the screw head is level and flush with the panel surface, without crushing the surrounding fibres.



CORRECT: Screw heads finish level with the panel face

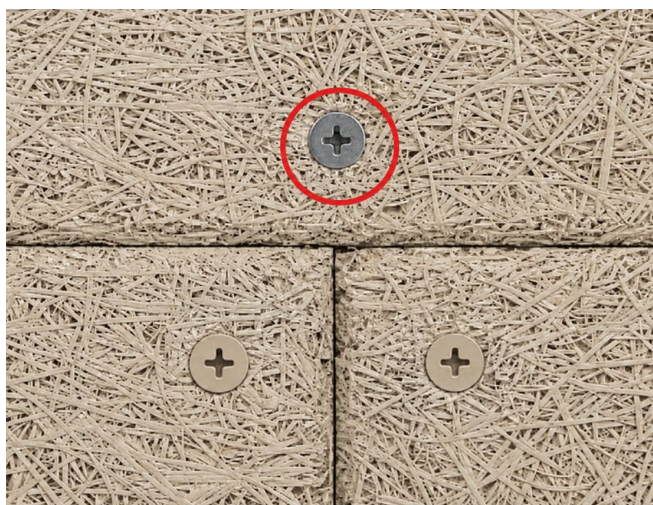


Apollo Depth Setter Drill Bit
Recommended for controlled fixing depth

IMPORTANT — DO NOT OVERDRIVE FIXINGS & MUST USE APOLLO COLOUR-MATCHED SCREWS



Overdriving compresses the wood wool around the screw and creates a visible indentation or shadow. Do not countersink or drive the screw head below the panel face.



INCORRECT: Screw colour does not match the panel



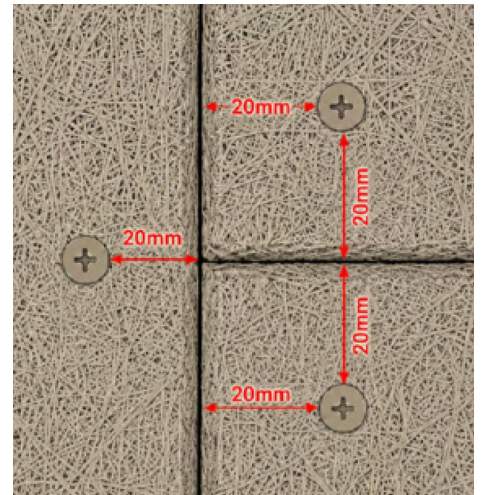
INCORRECT: Screw driven below the panel face, creating a noticeable shadow

Screw Positioning & Layout

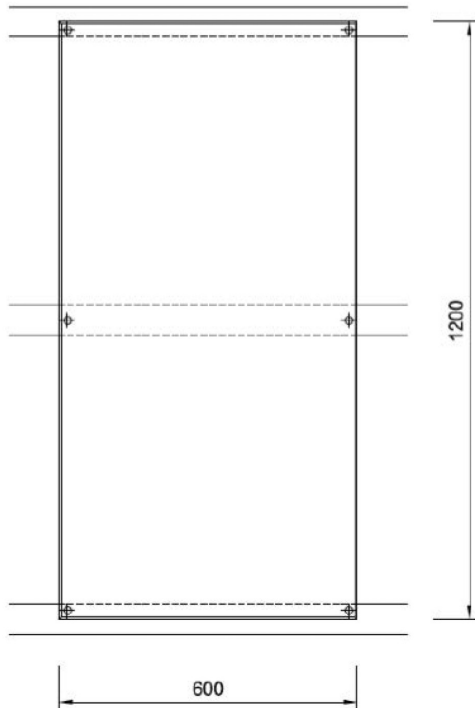
Apollo screws must be positioned a minimum of 20mm from all panel edges. Maintain a consistent fixing pattern and screw position across adjoining panels to achieve a clean, premium finished appearance.

EDGE DISTANCE

Do not install screws closer than 20mm to the panel edge. Fixings positioned too close to the edge may cause the wood wool fibres and panel edge to fracture, burst or break away around the fixing.

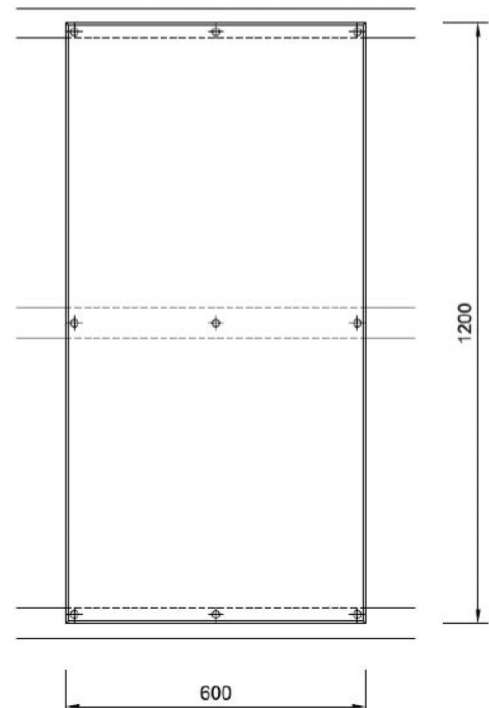


1200 × 600mm standard panel: Follow the project fixing schedule and use the required number of Apollo screws. Where impact resistance is required, additional fixings may be specified.



6 No.

Apollo Wood Wool Screws per tile in standard applications

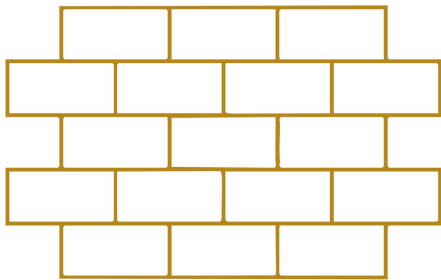


9 No.

Apollo Wood Wool Screws per tile where impact resistance is required

Standard Panel & Staggered Layout

Staggered brick layout: A brickwork or broken-bond layout is recommended. This distributes panel weight evenly, avoids continuous aligned vertical joints and creates a clean finished appearance.



Recommended staggered / brickwork panel layout



Cutting Guidelines

Apollo Wood Wool panels can be cut and shaped easily on site using standard woodworking equipment. Circular saws and track saws are the most common tools — use a fine-tooth carbide blade for straight, clean cuts and support the panel fully on a stable cutting surface.



RECOMMENDED TOOLS

Use a circular saw or track saw with a fine-tooth carbide blade for straight, clean cuts. Use a jigsaw for circular penetrations and irregular cutouts.



PANEL SUPPORT

Support panels fully on a stable cutting table during cutting to prevent cracking or corner breakout.



VISIBLE CUT EDGES

Apply colour-matched Apollo Touch-Up Paint on visible raw cut edges before final fixing.



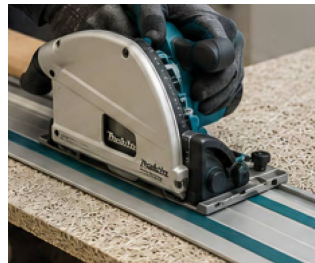
CREATING A BEVEL EDGE

Bevel is formed with coarse sandpaper, belt sander or saw blade set on an angle.



CIRCULAR SAW

Use a circular saw with a fine-tooth carbide blade for straight cuts



TRACK SAW

Ideal for long, straight cuts with greater accuracy and control



SAFETY MASK (RESPIRATOR)

Use a P2 (or higher) respirator mask to protect against wood dust · Ensure a proper fit



SAFETY GOGGLES

Wear safety goggles to protect your eyes from dust and debris during cutting



SAFETY FIRST

Cutting wood wool panels generates airborne dust and debris. Wear appropriate respiratory protection and safety goggles when cutting. Always cut in a well-ventilated area and ensure dust extraction equipment is used where possible.

Finishing Cut Edges · 5mm Bevel

After cutting an Apollo Wood Wool panel, the new cut will leave a square edge. Finish exposed cut edges to match the factory panel edges using the following sequence.



01 CREATE THE 5MM BEVEL

Use a sander to carefully form an approximately 5mm bevel along the newly cut edge.



02 REMOVE LOOSE FIBRES

Use a clean hand brush to remove dust and loose wood wool fibres from the bevelled edge.



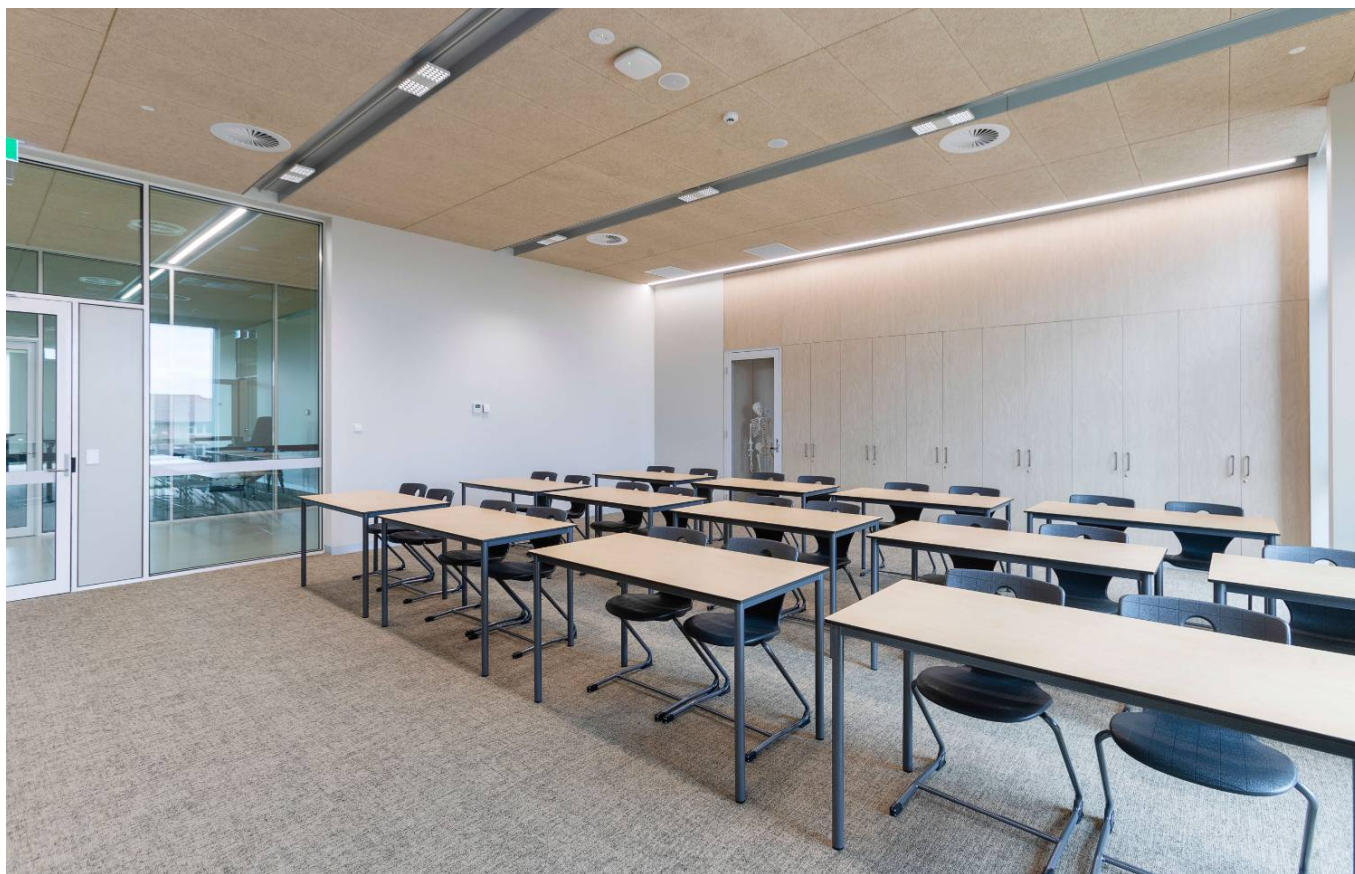
03 APPLY TOUCH-UP PAINT

Using the supplied Apollo touch-up paint and brush, lightly paint the newly formed bevel to match the panel finish. Avoid excessive paint.



SUPPLIED TOUCH-UP PAINT BRUSH

Use the wider brush for coating newly bevelled cut edges.



Loose Fibres & Minor Touch-Ups

Inspect the panel surface and edges following cutting and installation. Minor loose or exposed fibres can be carefully finished on site.



TRIM LOOSE FIBRES

Carefully cut loose or protruding fibres at their base using a sharp utility knife. Do not pull fibres from the panel, as this may disturb the surrounding wood wool surface.



TOUCH UP EXPOSED FIBRES

Apply a small amount of colour-matched touch-up paint directly to chipped or exposed fibres.



SUPPLIED FINE FIBRE BRUSH

Use the fine brush for precise touch-ups on individual fibres.



RAW / NATURAL-FINISH PANELS

This precision touch-up technique is particularly useful where natural variation can make discolouration or darkened fibres noticeable, or when a painted finish is chipped and the raw material is visible. Apply paint only to the exposed fibre and avoid clogging the surrounding texture.



Design, Delivered.

Support from specification
to installation.

Good outcomes come down to getting the details right. From panel selection and acoustic requirements through to set-out, fixing and installation, our team is here to provide practical technical support when you need it.

For project-specific advice, installation queries or product support, speak with the MBS Architectural team.



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