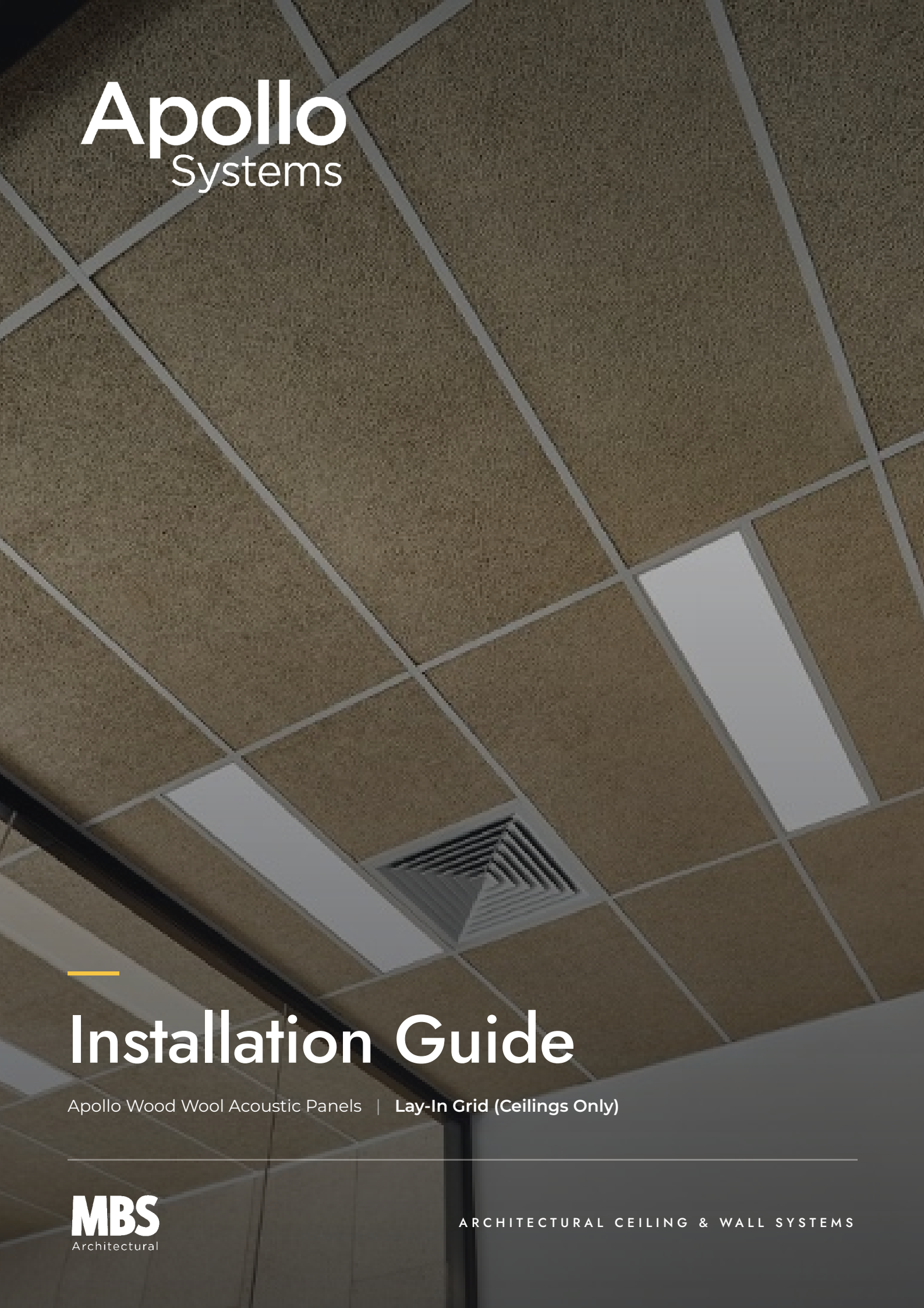




Apollo

Systems

Installation Guide

Apollo Wood Wool Acoustic Panels | Lay-In Grid (Ceilings Only)

MBS
Architectural

ARCHITECTURAL CEILING & WALL SYSTEMS

BEFORE YOU BEGIN

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 72 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.

SUSPENDED GRID

Grid

Wood wool ceiling panels are heavier than conventional mineral fibre ceiling tiles and require additional support from the suspended ceiling grid.

Main T-bars must be installed at maximum 600 mm centres. This differs from a typical mineral fibre ceiling grid installation, where main T-bars may be installed at 1200 mm centres. The reduced spacing provides the additional support required for the increased weight of the wood wool panels.

Cross tees should be installed to suit the selected panel module and edge detail.

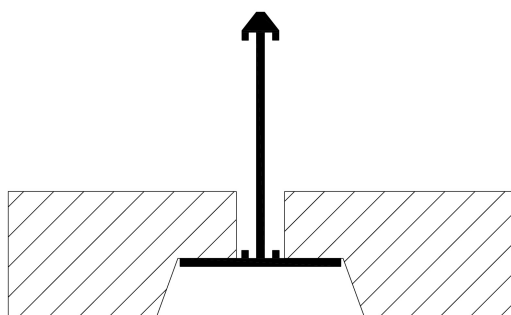
Main Bars Suspended @ maximum 600mm centres

Hangers Maximum 1200mm centres

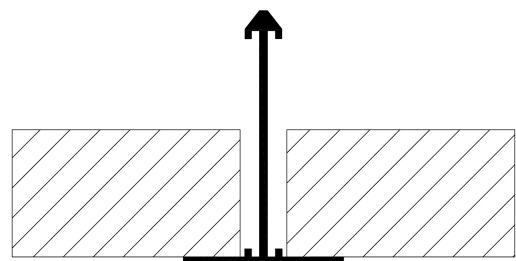
IMPORTANT



Do not install Main Bars at 1200 mm centres. Main Bars are to be spaced at a maximum of 600 mm centres when supporting wood wool ceiling panels.



24mm T-Bar Grid with Tegral Edge



T-Bar Grid with Square Edge

ON SITE

Cutting Guidelines

Circular saws and track saws are the most common tools for cutting Apollo Wood Wool panels. Use a fine-tooth carbide blade for straight, clean cuts and support the panel fully on a stable cutting surface.

SAFETY FIRST

Cutting wood wool panels generates airborne dust and debris. Wear appropriate respiratory protection and safety goggles when cutting. Use dust extraction and adequate ventilation where possible.



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



Track Saw: A track saw is 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.

FINISHING

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.



01 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.



02 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 on RAW or natural-finish panels, where natural variation can make chipped or exposed fibres more noticeable. Apply paint only to the exposed fibre and avoid clogging the surrounding texture.

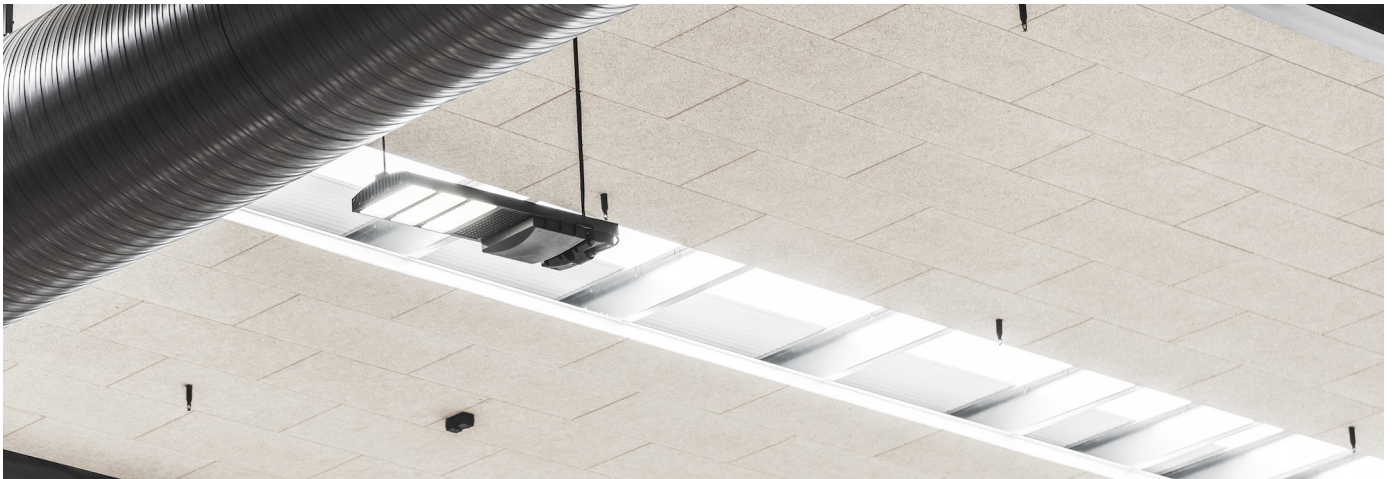


SERVICES

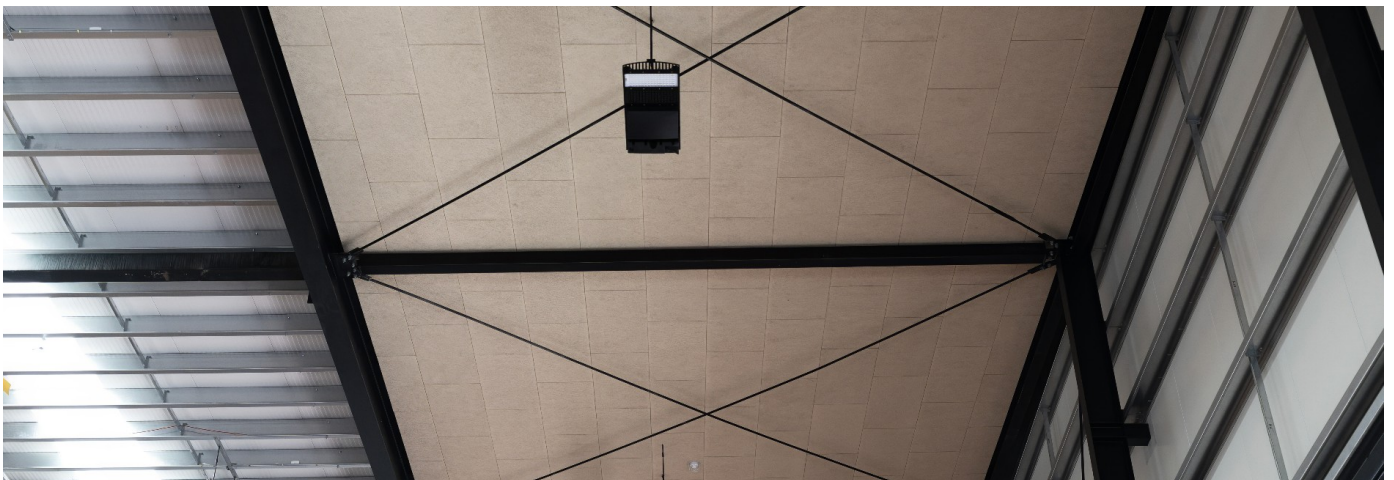
Service Penetrations

Where panel cutouts are required for ceiling/wall penetrations — such as light fittings, HVAC diffusers, fire sprinklers, speakers, and access panels:

- **Accurate Measurements:** All penetrations must be accurately measured and cut using a jigsaw or hole saw before panel installation.
- **Supplementary Support:** Additional framing or timber noggings must be installed around the perimeter of all large light fittings, HVAC grilles, or penetrations exceeding 300x300mm.
- **Deflection Prevention:** Large-format panels may require supplementary mechanical fixings adjacent to penetrations to prevent long-term panel deflection.



HVAC spiral ducting integration



Direct-fixed panels behind structural bracing

FINISH & MATERIAL

Painting & Touch-Up Guidelines

Apollo Wood Wool panels can be supplied natural or factory-painted in standard white, black, or custom colours.

- **Touch-Up Paint:** Repair minor installation chips and cut edges using colour-matched Apollo touch-up paint. Apply paint sparingly using a brush. Sand down coarse fibres before applying touch up paint.
- **Acoustic Integrity:** Apply light, even coats only. Avoid thick applications that fill or clog the open wood wool texture, as this will significantly reduce the acoustic performance (NRC rating).

Timber Characteristics & Material Tolerances

Apollo Wood Wool is manufactured from natural timber fibres. Minor variations in texture, grain, tone, and colour between production batches are inherent characteristics of natural timber products and are not considered manufacturing defects.

±1.5%

DIMENSIONAL & WEIGHT
MOVEMENT

Panels are subject to slight dimensional and weight changes (±1.5%) depending on ambient relative humidity and temperature.

Standard installation practices — such as maintaining consistent joint lines, checking plumbness regularly, and ensuring complete acclimatisation — will successfully accommodate these natural tolerances.

SAFE WORK PRACTICES

Health & Safety Guidelines

Cutting wood wool panels generates airborne dust. Installers must adopt safe work practices:

- **Respiratory Protection:** Always wear a P2 dust mask or equivalent respiratory protection when cutting panels.
- **Eye & Ear Protection:** Wear safety glasses and appropriate hearing protection when operating power tools.
- **Dust Control:** Use local dust extraction systems on all power tools. Ensure work areas have adequate ventilation.

10-YEAR SYSTEM WARRANTY



MBS Architectural offers a comprehensive 10-Year Product Warranty on the Apollo Wood Wool system. This requires strict compliance with all storage, environmental acclimatisation, and direct-fix structural installation procedures detailed in this guide.

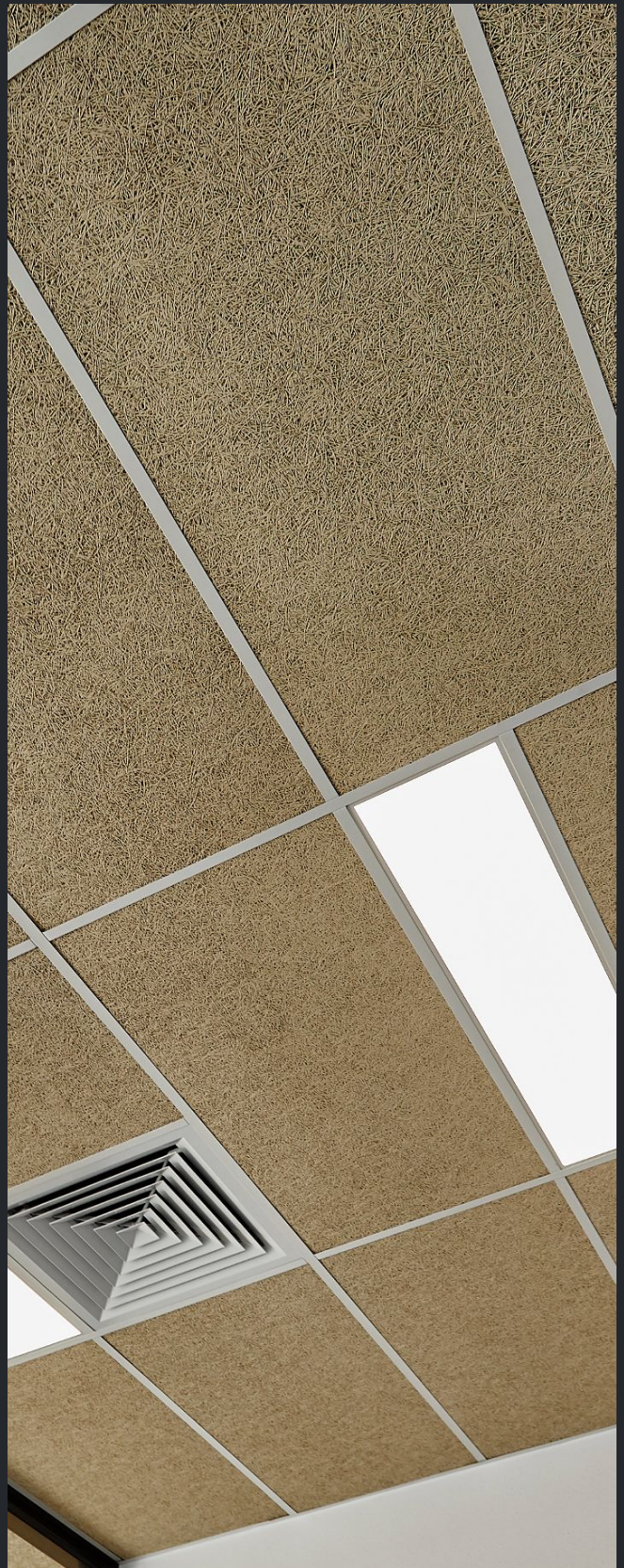


Design, Delivered.

Support from
specification to installation

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

For project-specific advice, lay-in grid installation queries or product support for Apollo Wood Wool Acoustic Panels, speak with the MBS Architectural team.



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