



THE
ACOUSTICS
COMPANY



Atmos

Atmos in Application



Designed to integrate seamlessly within architectural environments, delivering high-performance acoustic control with clarity in specification.



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Technical

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Material Datasheet

Product Type	Alpha™
Composition	100% PET with 75% post-consumer recycled content
Thickness¹	24 mm (0.94")
Max. Sheet Size¹	1225 × 2800 mm (48" × 110")
Acoustic²	α_w 0.80 (MH) / NRC 0.95
Density¹	3.8 kg/m ²
Colours Fastness	6-7 Colours
Fire Rating	EN 13501-1: B-s2, d0
Certifications	S Recycled Content, OEKO-TEX® Standard 100, Certified, Declare Label, RED List Free, Safety of toys – Migration of certain elements (EN 71-3), Global Recycled Standard (GRS) Scope Certificate
Recyclability⁴	100% reusable and recyclable material. This product has been designed to be fully recyclable, or repurposed to maximise sustainability.
VOC Emission	GREENGUARD Gold Certified Tested to ISO 16000
Durability⁵	Moisture, mould, and mildew resistant
Carbon Footprint⁶	0.084–0.132 kg CO ₂ e/m ²

1 - All values are nominal.

2 - Measured with 50 mm air gap.

3 - Other fabrics available.

4 - This applies to standard products that have been installed without adhesives.

5 - Relates to core material.

6 - Core only, fabrics not considered.



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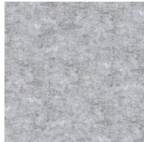
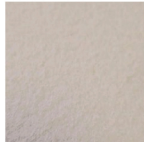
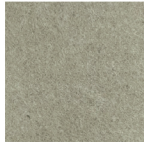
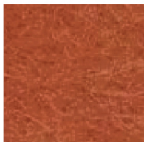
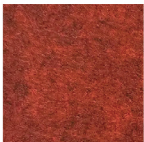
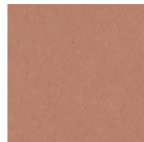
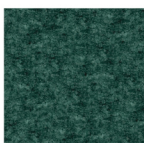
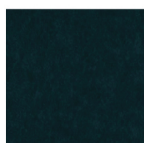
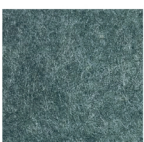
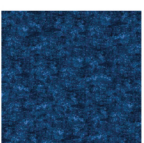
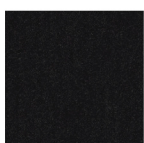
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Finishes

					
WHITE	MARBLE	ICE WHITE	MAGNOLIA	NATURAL	PURBECK
					
OPAL	SAND	CLOUDS	OYSTER	WHEAT	YELLOW
					
CARAMEL	BURNT ORANGE	RUST	ORANGE	CLAY	BLUSH
					
PEACH	WINE	BURGUNDY	MINT	SAGE	MEADOW
					
WILLOW	OLIVE	FOREST	EMERALD	PARADISE	MISTY DEW
					
EDEN	NEPTUNE	OCEAN	CYPRUS	ALICE BLUE	BREEZE
					
BLUEBELL	NOVA	NOCTURN	SLATE GREY	CHARCOAL GREY	BLACK

Availability:

Standard 12 mm & 24mm: Black, Charcoal Grey, Yellow, Paradise, Marble, Clouds, Magnolia, Rust, White, Slate Grey, Sand, Sage, Oyster, Opal, Ocean, Nocturn, Neptune, Natural, Misty Dew, Ice White, Eden, Cyprus, Caramel.

12 mm: Wine, Peach, Blush, Wheat, Olive, Meadow, Forest, Willow, Mint, Burnt Orange, Emerald, Orange, Clay, Burgundy, Nova, Alice Blue, Breeze.



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Acoustic Data

The acoustic performance of materials refers to their ability to absorb, reflect, or transmit sound waves. This concept is crucial in architecture, interior design, and engineering, as it determines how sound behaves in a space. Materials with good acoustic performance can reduce noise levels, improve speech intelligibility, and create more comfortable and functional environments by controlling reverberation and sound transmission.

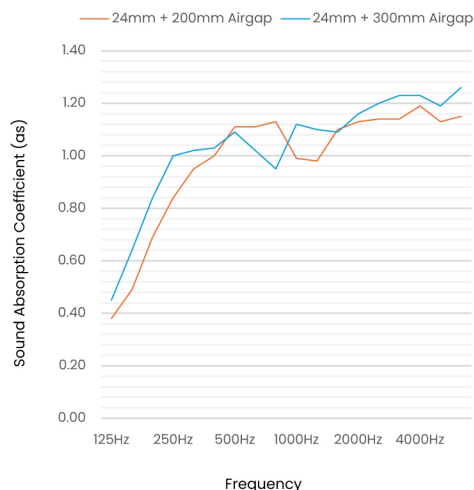
TESTING STANDARDS

ISO 354	Measurement of sound absorption in a reverberation room
ISO 11654	Sound absorbers for use in buildings – Rating of Sound Absorption
ASTM C423-17	Standard Test Method for sound absorption and sound absorption coefficients by the reverberation room method
ACOUSTICS:	Sound absorbers for use in buildings – Rating of sound absorption

ACOUSTICALLY TESTED ATMOS	aw	NRC	CLASS
24mm + 200 Airgap	1.00	1.05	A
24mm + 300 Airgap	1.00	1.10	A

For aw, it is strongly recommended to use this single-number rating in combination with the complete sound absorption.

FREQUENCY (Hz)	125	250	500	1000	2000	4000
24mm + 200 Airgap	0.50	0.95	1.00	1.00	1.00	1.00
24mm + 300 Airgap	0.65	1.00	1.00	1.00	1.00	1.00



Weighted Sound Absorption Coefficient (aw) – Measured in accordance with ISO 11654. Practical sound absorption coefficient ap values at given standard frequencies are compared with reference curve aw.

Noise Reduction Coefficient (NRC) – The mean average as value at frequencies 250, 500, 1000 and 2000 Hz.

Absorption Class – Levels of comparison of absorption values against a reference curve with A as highest and E as lowest. Measured in accordance with ISO 11654.

Practical Sound Absorption Coefficient (ap) – The average of the three as values centered on the 1/3 octave band center frequency, measured in accordance with EN ISO 354.



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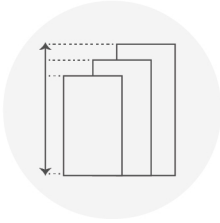
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*Developed to simplify acoustic design and specification, ensuring clarity,
coordination, and confidence throughout the project.*

Design with confidence. **Specify** with clarity.

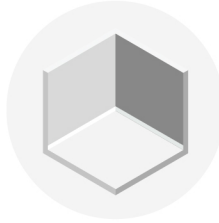
Path to Specification



3. SIZE AND LAYOUT

Review available sizes, layouts and configuration options.

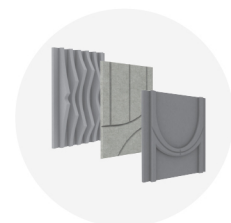
pages 9-12



2. SPACE

Understand where the product is used and the key spatial constraints.

pages 13-16



3. DESIGN

Explore design options to achieve the desired aesthetic.

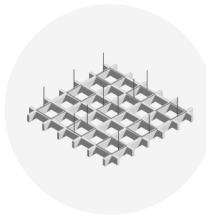
pages 17-18



4. DETAIL

Consider how the system integrates with building elements and site.

pages 19-20



6. INSTALLATION

Define the appropriate fixing and installation method.

pages 21-26



8. AFTERCARE

Understand cleaning, care and long-term maintenance.

pages 27-29



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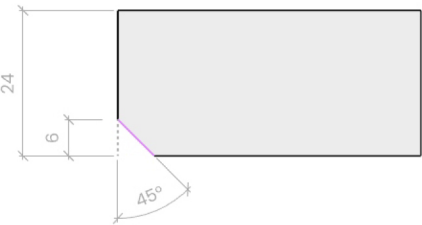
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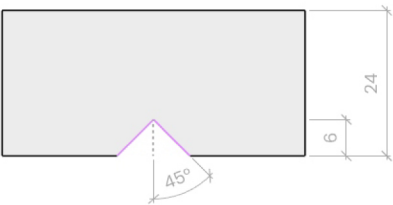
Size & Layout

Size and Layout

Standard Atmos Profiles



Standard
Chamfered Edge

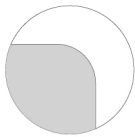


Standard
Etch Design

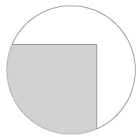


Optional
Sharp Edge

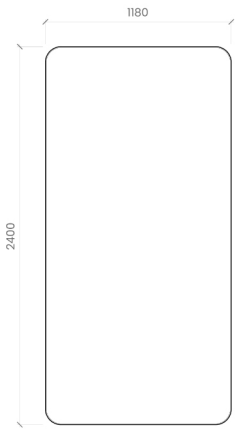
Rectangle



Standard R100



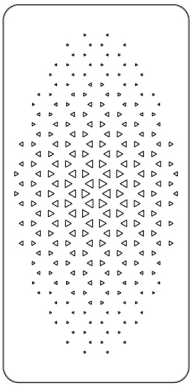
Optional 90°



PLAIN



ETCH



DISPERSE

Dimension Table

Size	1180 x 2400mm
Thickness	24mm



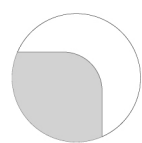
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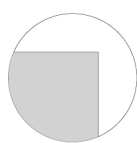
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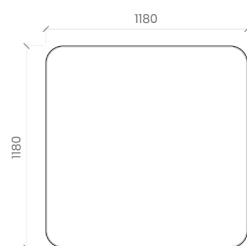
Square



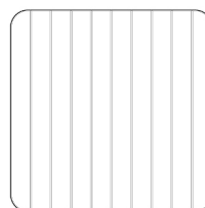
Standard R100



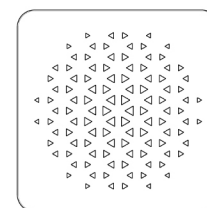
Optional 90°



PLAIN



ETCH

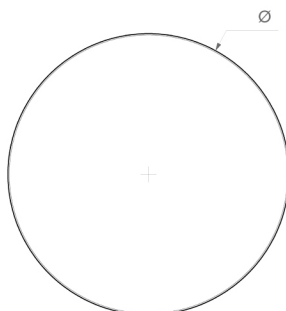


DISPERSE

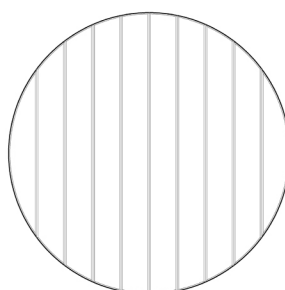
Dimension Table

Size	1180 x 1180mm
Thickness	24mm

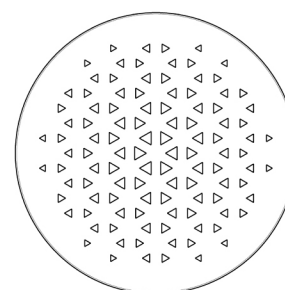
Circle



PLAIN



ETCH



DISPERSE

Dimension Table

	Option 1	Option 2
Diameter Ø	790mm	1180mm
Thickness	24mm	



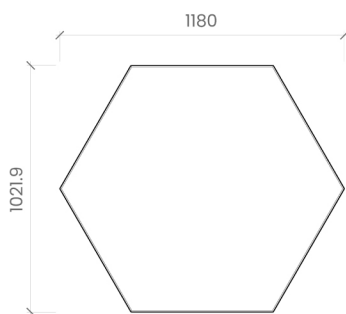
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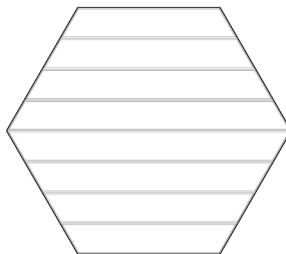
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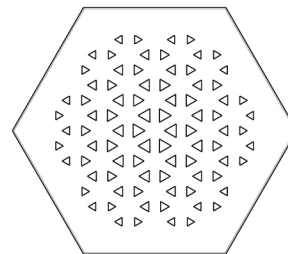
Hexagon



PLAIN



ETCH



DISPERSE

Dimension Table

Size	1180 x 1021.9mm
Thickness	24mm



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Space

Space



OPEN-PLAN SPACES

Open-plan spaces are designed to encourage collaboration and flexibility but often experience increased reverberation due to large open volumes and exposed ceilings. Atmos provides targeted acoustic treatment by suspending sound-absorbing rafts directly above occupied areas, helping reduce background noise and improve speech clarity without compromising the openness of the space. Available in a variety of geometric shapes, vibrant colour combinations, and configurable layouts, Atmos enables designers to create striking ceiling features that define work zones while enhancing both acoustic comfort and visual appeal.



PRIVATE OFFICES

Private offices require a quiet and comfortable environment for focused work, confidential discussions, and virtual meetings. Atmos helps control sound reflections within enclosed spaces, creating balanced acoustics that improve concentration and communication. Its suspended geometric rafts introduce a distinctive architectural ceiling feature, while the extensive choice of shapes, colours, and layouts allows designers to tailor each installation to complement the overall workplace aesthetic.





MEETING AND CONFERENCE ROOMS

Meeting and conference rooms depend on clear communication for presentations, collaboration, and video conferencing. Atmos reduces reverberation and improves speech intelligibility by positioning acoustic rafts directly above meeting areas where sound control is most effective. The modular system offers endless configuration possibilities using a range of geometric forms and colours, allowing designers to create visually engaging ceiling compositions that reinforce the room's identity while delivering high acoustic performance.



RECEPTION AND WAITING AREAS

Reception and waiting areas create the first impression of a workplace and often experience a combination of conversations, visitor movement, and open architectural volumes. Atmos improves acoustic comfort by reducing ambient noise while introducing sculptural ceiling features that elevate the interior design. With customisable shapes, vibrant colour options, and flexible suspension heights, Atmos can create memorable ceiling installations that reflect brand identity and create a welcoming environment for visitors.



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CORRIDORS AND CIRCULATION SPACES

Corridors and circulation spaces are often characterised by long, hard surfaces that contribute to sound reflections and noise transfer throughout the workplace. Atmos helps absorb reverberation while transforming transitional spaces into visually engaging architectural features. The suspended raft system can be arranged in continuous or repeating geometric patterns, using a variety of colours and shapes to guide movement, enhance wayfinding, and create a cohesive ceiling design across connected spaces.



CAFETERIAS

Office cafeterias are vibrant social environments where conversations, movement, and hard finishes can generate significant background noise during busy periods. Atmos effectively reduces reverberation by positioning acoustic rafts above seating and dining areas, creating a more comfortable environment for conversation and relaxation. The combination of bold geometric shapes, colourful configurations, and adjustable suspension heights allows designers to introduce dynamic ceiling installations that enhance the atmosphere while delivering effective acoustic control.





Design

Design Recommendations

Designed to assist in specifying Atmos configurations that balance acoustic performance, spatial composition, and architectural expression within interior spaces.

1

Plan the Raft Layout

Arrange rafts to suit the room geometry, circulation paths, and acoustic requirements. A coordinated layout enhances both sound absorption and the overall ceiling composition.

2

Optimise Raft Spacing

Position rafts to provide balanced acoustic coverage while maintaining an open ceiling aesthetic. Consistent spacing creates visual rhythm and ensures effective sound absorption throughout the space.

3

Consider Suspension Heights

Adjust suspension heights to suit the ceiling volume and desired visual effect. Varying raft elevations can introduce depth and architectural interest while positioning acoustic absorption closer to the occupied zone.

4

Coordinate with Building Services

Align raft layouts with lighting, HVAC, sprinklers, and other ceiling services to minimise clashes.

5

Utilise Shapes and Colours

Combine geometric shapes and colour options to create distinctive ceiling features that complement the interior design.

6

Integrate with Other Acoustic Products

Combine Atmos with complementary wall panels, baffles, or ceiling systems where additional acoustic treatment is required. A coordinated approach creates a cohesive interior while enhancing overall acoustic performance.



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Detail

Detail Considerations

Provides technical guidance for the coordination, detailing, and installation of Atmos to ensure accurate suspension, seamless integration, and long-term system performance.

1 Verify Ceiling Conditions

Confirm ceiling dimensions, fixing locations, and service coordination before finalising the layout.

2 Maintain Consistent Raft Alignment

Establish raft positions and spacing before installation to achieve a uniform ceiling composition. Consistent alignment improves both the architectural appearance and acoustic effectiveness of the system.

3 Coordinate with Building Services

Allow adequate clearance around lighting, sprinklers, HVAC diffusers, smoke detectors, and access panels. Proper coordination preserves both system performance and future maintenance access.

4 Prepare the Installation Structure

Verify that the supporting structure is suitable for the suspension system and capable of carrying the imposed loads. All fixing points should be securely installed in accordance with project requirements.

5 Maintain Installation Consistency

Install all rafts with consistent suspension lengths, orientation, and fixing methods unless design variations are intentionally specified. Uniform installation enhances the overall quality and appearance of the finished ceiling.

6 Detail Perimeter Conditions

Coordinate raft locations with walls, bulkheads, glazing, and other architectural elements to achieve clean edge conditions. Appropriate clearances should be maintained to accommodate installation tolerances and future maintenance.





Installation

Atmos Installation Guide

Suspended Alpha Rafts using **Minihelix Suspension**

Refer to the drawings for accurate installation and fabrication requirements. Drawing contains the fixing standards, connection details, and dimensional layouts for Atmos Rafts using minihelix suspension.

Fixing Points

Note: Recommended positions, site specific / additional points to be determined by installer.

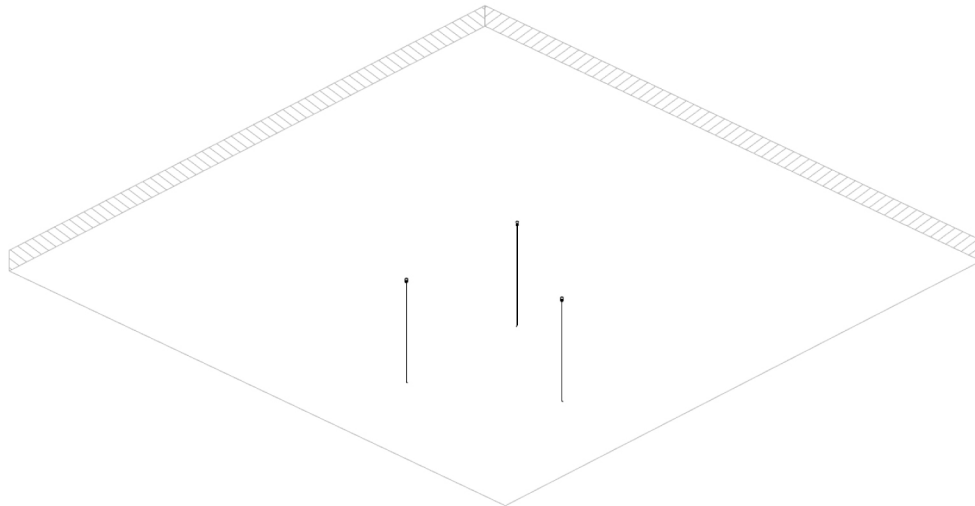
Fixings

Disclaimer: Sustainable / additional fixings for substrate to be determined by installer.



Minihelix – TOP HAT

1



Mark the suspension points and install the suspension top hats and cables on the ceiling in accordance with the project report or Fixing Guide.



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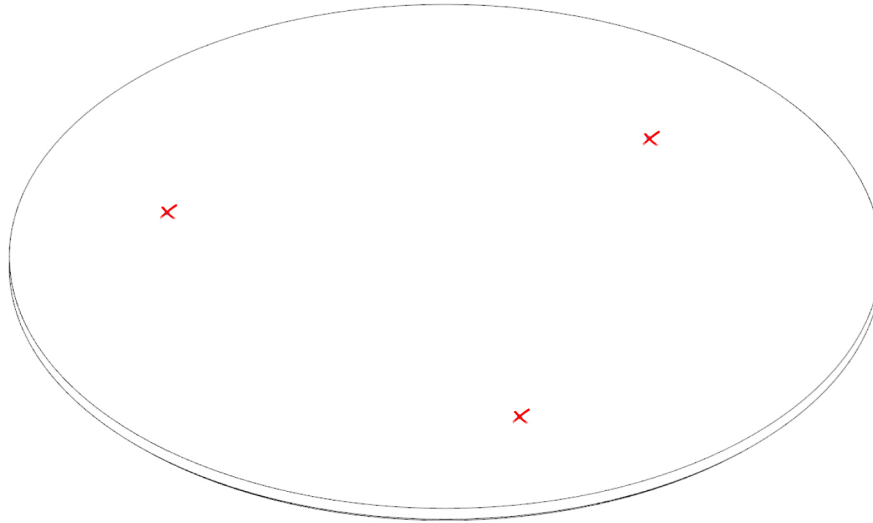
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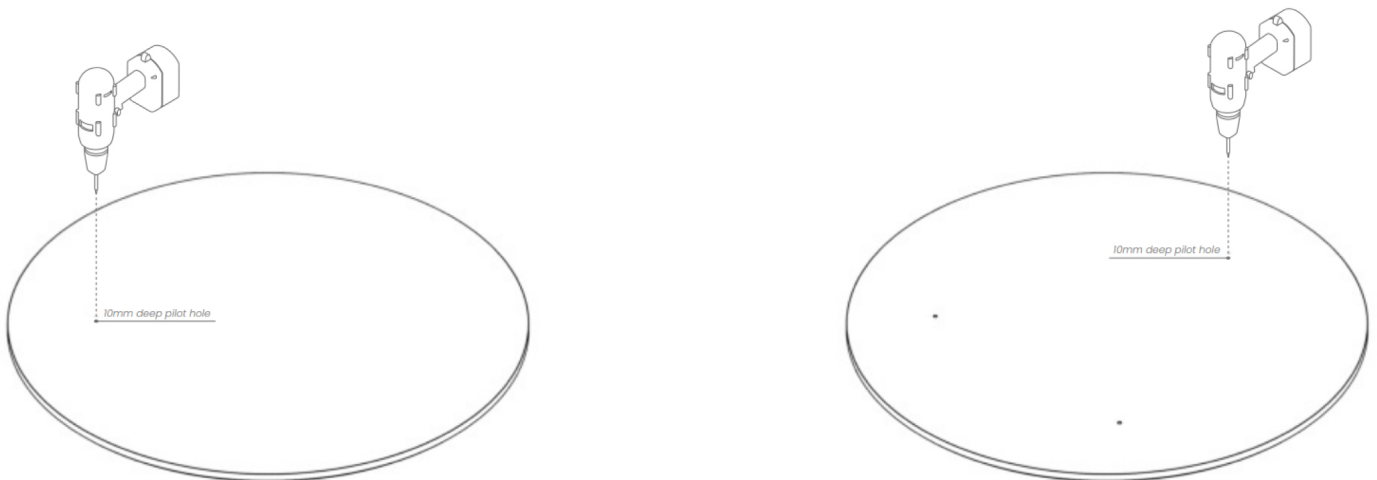
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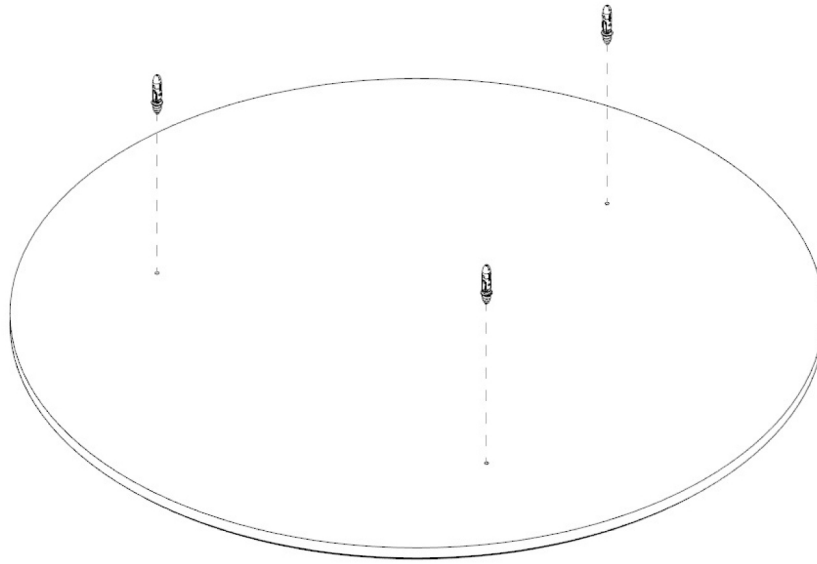
Mark the suspension fixing locations on the Atmos panel in accordance with the project report or Fixing Guide.



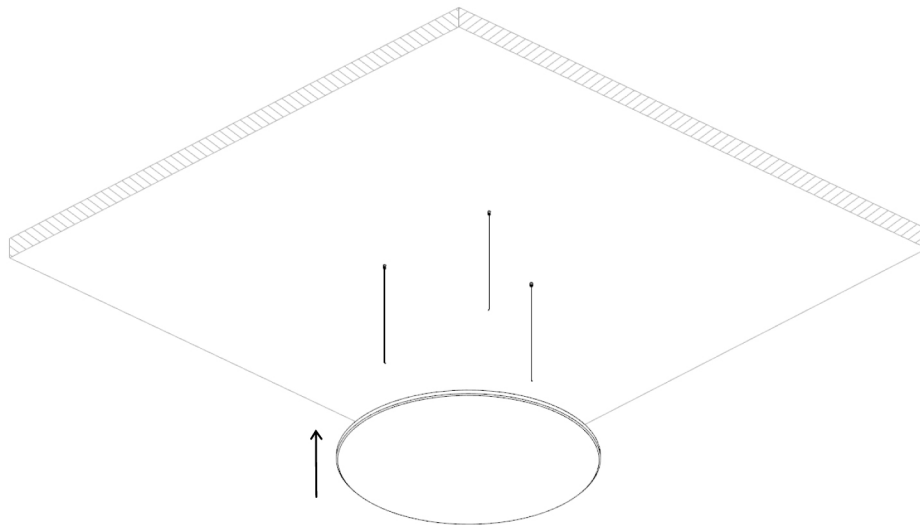
Drill 10mm deep pilot holes at the marked fixing locations.



Twist the MiniHelix (SMHX) fixings directly into the pilot holes until fully engaged and securely fixed.

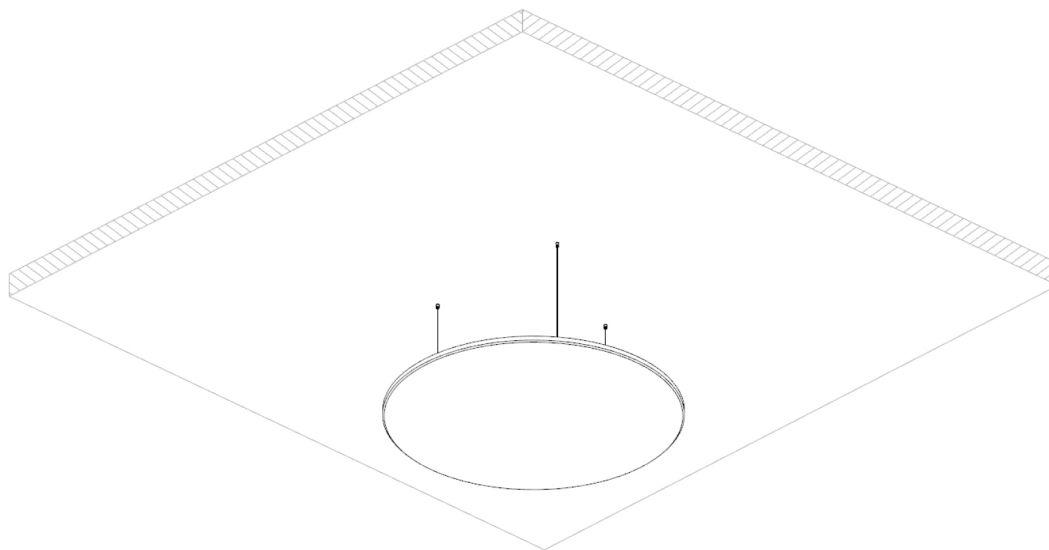


Attach the suspension cables to the MiniHelix fixings.



Check the alignment, spacing, and orientation of the installed Atmos panel. Make any necessary adjustments before fully securing the suspension system.





Repeat the process for the other panels, maintaining the specified spacing and alignment throughout the installation.



Disclaimer: Installation Guide

GENERAL USE, LIABILITY & WARRANTY INFORMATION

INSTALLATION GUIDE DISCLAIMER

Disclaimer: General Guidance Only – Please Read Carefully

This installation guide is provided as a general reference to support the safe and effective installation of our products. It is not intended to replace professional advice or detailed project-specific assessments. While The Acoustics Company has taken care to ensure the accuracy of the information contained herein, we make no representations or warranties regarding its completeness, suitability, or applicability to every project.

NOT A ONE-SIZE-FITS-ALL SOLUTION

This guide does not account for all possible site conditions, installation environments, or structural considerations. It is the responsibility of the installer, contractor, or project manager to determine whether the guidance provided is suitable for the specific building, substrate, and intended use.

PROFESSIONAL ASSESSMENT REQUIRED

Installation should only be performed by competent, trained personnel who are familiar with the product, installation techniques, and relevant regulations. If in doubt, always seek advice from a qualified professional or consult with our technical team before proceeding.

LIABILITY & LIMITATIONS

The Acoustics Company shall not be held liable for any damage, loss, or performance issues resulting from:

- a. Improper installation
- b. Use of unapproved adhesives or fixings
- c. Modification of the product
- d. Failure to verify compatibility with local conditions and regulations

WARRANTY IMPLICATIONS

Any deviation from the recommended installation procedures may void product warranties. For full details on product warranties, terms of sale, and exclusions, refer to our official documentation. By using this guide, you acknowledge that it provides general information only and that the final responsibility for product suitability and safe installation lies with the installer or project authority.





Aftercare

Atmos

Care and Maintenance

Caring for an Alpha™ involves regular dusting with a soft cloth or vacuuming with a brush attachment to keep it clean. For stains, use a mild detergent and water, avoiding harsh chemicals. Periodically inspect the panels for any signs of wear and tear to ensure they maintain optimal acoustic performance. Proper maintenance will keep your acoustic PET panels looking and functioning well for years!

CLEANING METHODS

A. Mop up excess as soon as possible with a sponge or cloth.

B. Remove surplus with a knife edge or appropriate instrument.

C. Sponge with a solution of carpet shampoo working from well outside the stain in a circular motion towards the centre (this avoids spreading the stain). Sponge afterwards with clean warm water and mop excess moisture with a clean dry cloth or sponge. Allow to dry then brush gently with a soft brush. If any stain remains, sponge with a solution of one part household bleach to six parts clear water. Thoroughly rinse after treatment.

D. Lightly sponge with household dry cleaning fluid and blot. Apply sparingly, as the substance may have an adverse effect on the adhesive.

E. Lubricate the stain with glycerine or petroleum jelly.

F. Apply nail polish remover. The nail polish remover should not include lanolin or be of a greasy nature.

G. Sponge with turpentine (or substitute).

H. Freeze with ice cubes and scrape away while cold.

I. Clean with regular extractive carpet cleaner (if possible).

J. Use circular cutter and remove damaged portion.



Cleaning guide

Contaminant	Guide
Blood	A,C
Burn/Scorch Mark	J
Chewing Gum	B,C,D,H
Chocolate	B,C,D
Cooking Oils	B,C,D
Crayons/Markers	A,C
Drinks	Vacuum, I, or C
Dust/Dirt	B,C
Environment	C
Grease	B,C,D
Ink	D,C
Lipstick	A,C

Cleaning guide

Contaminant	Guide
Mildew	B,C,D
Milk	C
Mud	A
Nail Polish	B,C
Oil	A,F
Paint (Water-Based)	B,C,D
Paint (Oil-Based)	A,C,E
Sauces	A,C,D,G
Shoe Polish	B,D,D
Urine	A,C
Vomit	A,C,D
Wine	A, Salt, C

Recommended Application & Maintenance Guidance

- Gloves must always be worn when handling panels to prevent marking or surface damage
- Suitable for use in dry internal environments only
- Avoid installation or cleaning in high humidity conditions
- Ensure fixings are checked periodically for safety and stability
- Panels should be handled carefully to avoid edge or surface damage

IMPORTANT NOTES

- Do not use abrasive cleaners or solvents
- Do not saturate panels with water
- Avoid scrubbing or applying pressure to the surface
- Always clean gently to maintain finish and acoustic performance





ATMOS

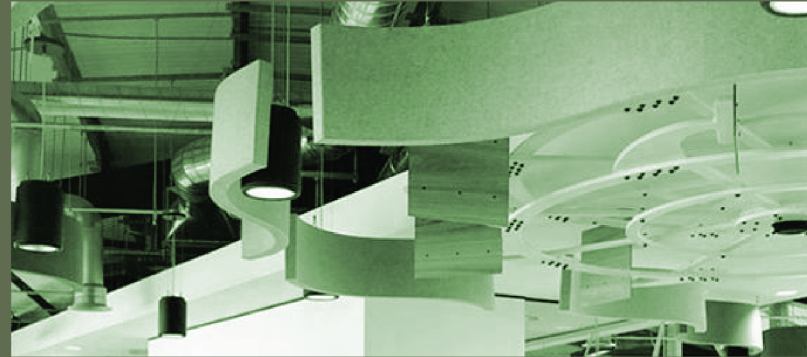
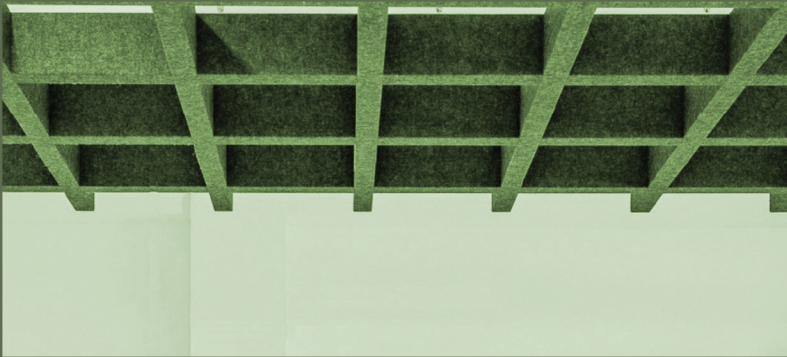
Designed to integrate seamlessly within architectural environments, Atmos delivers high-performance acoustic control with clarity in specification and confidence in delivery.

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Our Sustainability Principles



01



We prioritise recycled, recyclable, and low-impact materials, including PET derived from plastic bottles and recycled glass-based acoustic solutions.

02



Our products are designed for longevity and adaptability, reducing waste and supporting reuse across multiple life cycles.

03



We continuously optimise our processes to minimise waste, reduce energy consumption, and eliminate harmful chemicals.

04



All materials are selected to support low emissions and safe indoor environments, contributing to improved occupant wellbeing.

05



Our state-of-the-art manufacturing facility runs on 100% renewable energy generated directly from solar power. We don't just talk about sustainability; we've engineered it right into our product lines.

Credentials



Sustainability at The Acoustics Company

Designing spaces that sound good, and do good.

At The Acoustics Company, we believe the spaces we create should enhance both human wellbeing and the environment. Every product we develop is guided by a commitment to responsible materials, efficient manufacturing, and long-term performance.



Environmental Performance

- Use of recycled and recyclable materials
- Low VOC and indoor air quality compliant products
- No harmful chemicals in core materials
- Lightweight systems reducing transport and installation impact
- Long lifecycle performance supporting reduced waste



Built for Better Spaces

Our acoustic solutions are designed not only to control sound, but to support healthier, more comfortable interior environments across workplace, education, hospitality, and public spaces. By combining acoustic performance with responsible material choices, we help create spaces that feel better and perform better, for the people who use them.



A Future in Harmony

Sustainability and performance should work together. With every panel, ceiling system, and acoustic solution, we are contributing to a more responsible built environment, one that balances design, function, and environmental impact.