



THE
ACOUSTICS
COMPANY



Form

Form in Application



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



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Technical

Form™

Material Datasheet

Product Type	Alpha™	
Composition	75% Recycled PET Fibre 25% Virgin Fibre	
Thickness ¹	10 mm (0.39")	22 mm (0.86")
Density	2.40 kg/m²	3.80 kg/m²
Acoustic ³	Class A, C, and D Absorber	
Finishes ²	42 Colours	
Fire Rating	12mm EN13501-1:2007+A1:2009 B - S1, D0	
Certifications	SCS 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	
Recyclability ⁴	100% reusable and recyclable material. This product has been designed to be fully recyclable or reusable, in order to optimize its environmental performance.	
VOC Emissions	GREENGUARD Gold Certified Tested to ISO 16000	
Durability ⁵	Moisture, mould and mildew resistant	
Shapes Size	1150mm x 2750mm	

1 - all values are nominal

2 - product is customizable on a typical 15 week leadtime

3 - tested with 100 mm airgap

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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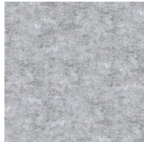
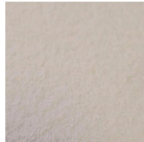
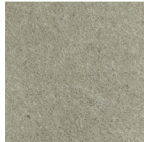
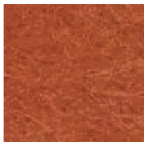
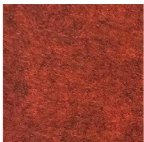
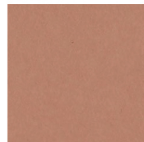
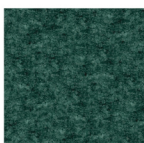
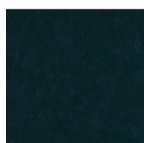
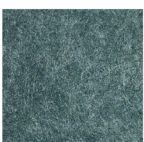
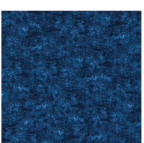
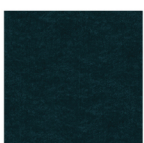
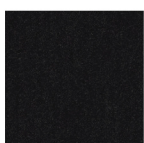
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Finishes

					
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 GRAY	CHARCOAL GRAY	BLACK

Availability:

Standard 10 mm & 22 mm: 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.

10 mm only: 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

(all values extracted from certified test results.)

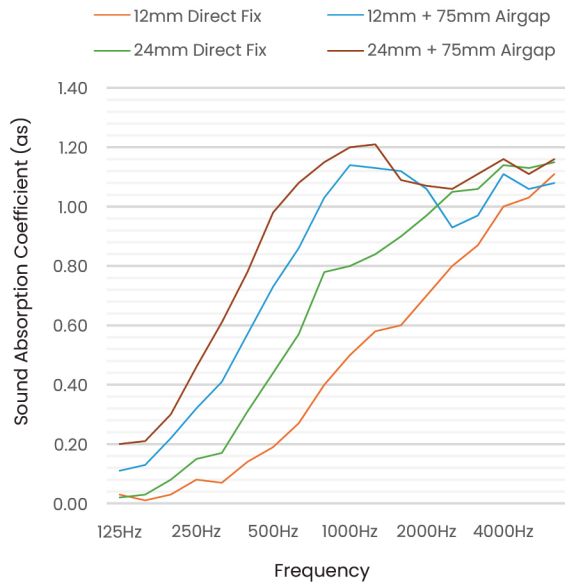
ISO 354	Measurement of sound absorption in a reverberation room
ISO 11654	Sound absorbers for use in buildings – Rating of Sound Absorption
ASTM C423-17	Standard Test Method for sound absorption and sound absorption coefficients by the reverberation room method
ACOUSTICS:	Sound absorbers for use in buildings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

ACOUSTICALLY TESTED FORM	αw	NRC	CLASS
10mm Direct Fix	0.35(MH)	0.45	D
10mm + 75 mm Airgap	0.75 (MH)	0.85	C
22mm Direct Fix	0.50(MH)	0.65	D
22mm + 75 mm Airgap	0.90	1.00	A

For αw, 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
12mm Direct Fix	0.00	0.10	0.30	0.55	0.80	1.00
12mm + 75 mm Airgap	0.15	0.45	0.85	1.00	1.00	1.00
22mm Direct Fix	0.05	0.20	0.60	0.85	1.00	1.00
22mm + 75 mm Airgap	0.25	0.60	1.00	1.00	1.00	1.00





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

Noise Reduction Coefficient (NRC) - The mean average a_s 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 (a_p) - The average of the three a_s values centered on the 1/3 octave band center frequency, measured in accordance with EN ISO 354.

Note: The sound absorption values provided in this product sheet are subject to change without prior notice from The Acoustics Company. For the most current and accurate technical specifications, please contact our Sales Team directly.



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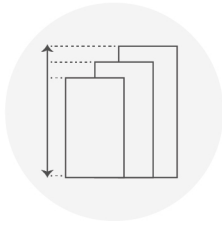
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*Developed to simplify acoustic design and specification, ensuring clarity,
coordination, and confidence throughout the project.*

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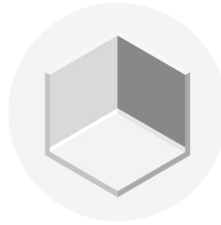
Path to Specification



3. SIZE AND LAYOUT

Review available sizes, layouts and configuration options.

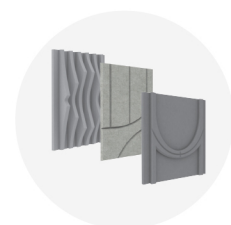
pages 10-11



2. SPACE

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

pages 12-15



3. DESIGN

Explore design options to achieve the desired aesthetic.

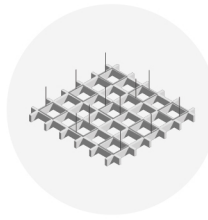
pages 16-17



4. DETAIL

Consider how the system integrates with building elements and site.

pages 18-19



6. INSTALLATION

Define the appropriate fixing and installation method.

pages 20-28



8. AFTERCARE

Understand cleaning, care and long-term maintenance.

pages 29-31



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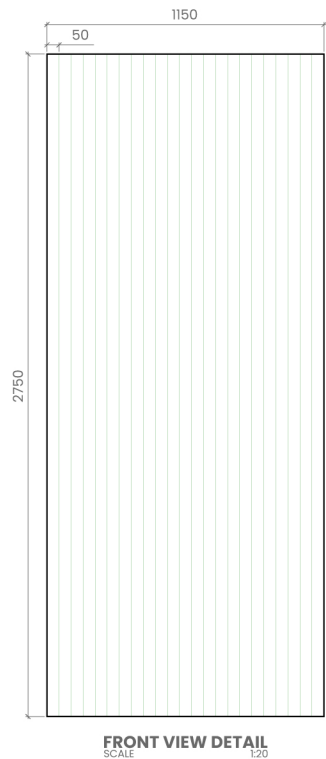
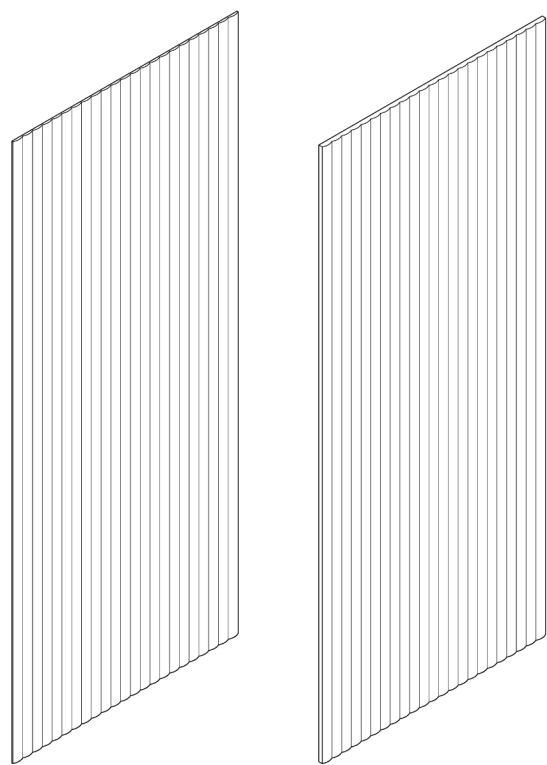
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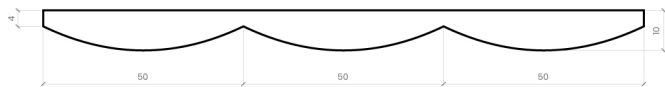
Size & Layout

Size and Layout



FRONT VIEW DETAIL

SCALE 1:20



TOP PROFILE BLOW-UP DETAIL

SCALE 1:1



TOP PROFILE BLOW-UP DETAIL

SCALE 1:1

Dimension Table		
Total Width	1175 mm	
Total Length	2750 mm	
Area m²	3.16m²	
Panel Thickness	22mm	10mm
Weight	11.38kg	7.59kg
MOQ	10 sheets (mixed colours permitted). Supplied in boxes of 4 panels per colour.	



Space

Space



BREAKOUT / INFORMAL AREAS

Breakout and informal areas are often characterised by hard finishes, open layouts, and high levels of social interaction, all of which can contribute to elevated noise levels. Form can be applied to feature walls surrounding seating areas, collaboration zones, and social spaces to reduce reverberation while introducing warmth, texture, and visual interest. Consider using contrasting fabric colours and varying dome depths to create focal points that help define individual areas within larger open-plan environments. Creates comfortable, acoustically balanced environments that encourage collaboration and informal interaction.



ZONING WITHIN LARGE SPACES

Large open-plan environments often require subtle methods of defining different functions without introducing physical barriers. Form can be used on feature walls to visually separate work settings, collaboration areas, breakout zones, and circulation routes while simultaneously improving acoustic comfort. Using different fabric colours, patterns, or layouts can strengthen wayfinding and create a clear identity for individual zones without disrupting openness or flexibility. Provides visual structure, acoustic control, and spatial definition without compromising openness.





AV WALL INTEGRATION

Presentation spaces and AV walls often contain large reflective surfaces that can negatively impact speech intelligibility. Form can be installed around screens, presentation systems, and digital displays to absorb reflected sound while creating a clean and coordinated architectural backdrop. Care should be taken to coordinate panel layouts with screens, power outlets, control panels, and integrated technology to achieve a balanced and fully considered design. Improves presentation environments by combining acoustic performance with seamless technology integration.



MEETING ROOM FEATURE WALL

Meeting rooms require controlled acoustic conditions to support concentration, collaboration, and effective communication. Form can be applied to one or more walls to reduce reverberation and improve speech clarity while introducing a distinctive architectural feature. Panel thickness, colour selection, and layout configuration can be adjusted to balance acoustic performance with the desired aesthetic outcome, creating spaces that are both functional and visually engaging. Enhances speech intelligibility and contributes to more productive meeting environments.



ACOUSTIC BOOTH / POD ROOM LINING

Acoustic booths and focus pods are designed to provide privacy within open environments and therefore require high levels of sound absorption. Form can be applied internally to walls and enclosure surfaces to reduce reflected sound and create a quieter, more comfortable user experience. Consider coordinating panel layouts across multiple surfaces to maximise acoustic performance while maintaining a cohesive interior appearance. Supports focused work, private conversations, and improved user comfort within enclosed spaces.



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RECEPTION FEATURE WALL

Reception areas establish the first impression of an organisation and often experience a combination of conversation, circulation, and waiting activity. Form can be used to create a statement feature wall that enhances the visual identity of a space while helping to manage noise levels. The ability to alternate colours, depths, and layouts allows designers to create bespoke installations that reinforce branding, introduce texture, and elevate the overall visitor experience. Creates a memorable first impression while contributing to a more comfortable acoustic environment.



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Design

Design Recommendations

Designed specifically for wall-mounted acoustic applications within interior environments.

1

Plan panel orientation early

Form is designed with a continuous vertical embossed profile. Establish the panel direction early to maintain visual consistency throughout the installation.

2

Coordinate with wall features

Consider the location of sockets, switches, access panels and other wall-mounted services, as these will interrupt the embossed pattern.

3

Align adjoining panels

The 50mm repeating profile should be aligned between panels to maintain a continuous appearance across larger wall areas.

4

Consider lighting

Surface relief is enhanced by directional lighting. Grazing light will increase shadowing and highlight the three-dimensional profile.

5

Use full-height panels where possible

Large-format panels minimise horizontal joints and maximise the seamless visual effect.

6

Review colour and lighting together

Surface texture and shadow depth will vary depending on panel colour and the surrounding lighting conditions.



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Detail

Detail Considerations

Each Form module is individually manufactured, allowing multiple fabric finishes, colours, or layouts to be combined across a single wall installation.

1 Supplied in full sheets

Form panels are manufactured and embossed in 1150 × 2750mm sheets and are supplied in this format. Factory resizing is not available.

2 Site cutting

Panels are designed to be trimmed on site where required. Plan cuts carefully to maintain the embossed pattern and achieve clean perimeter details.

3 Avoid horizontal joints

Where possible, install panels full height. Horizontal joints may create a visible seam, and the embossed pattern may not align perfectly between adjoining panels due to normal manufacturing tolerances.

4 Pattern continuity

Align adjoining panels carefully to maintain the continuity of the embossed pattern across larger wall areas.

5 Flat substrate required

Install onto a clean, dry and level substrate to ensure consistent adhesion and prevent imperfections from telegraphing through the embossed surface.

6 Shadow gaps and trims

Allow appropriate tolerances where shadow gaps, perimeter trims or adjacent finishes are incorporated.

7 Manufacturing tolerances

As with all embossed products, minor manufacturing tolerances should be considered when coordinating layouts with fixed architectural features.



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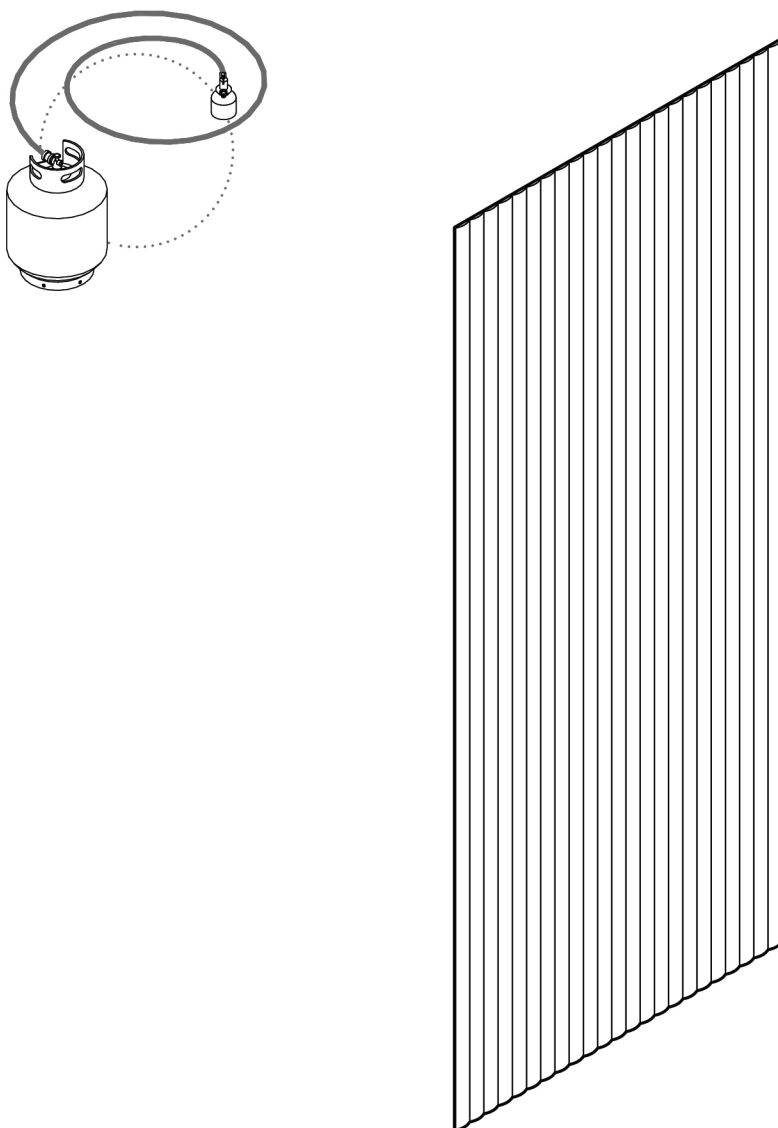


Installation

Form Installation Guide

Installation Guide using **Contact Adhesive**

Refer to the drawings for accurate installation and fabrication requirements. drawing contains the fixing standards, connection details, and dimensional layouts for Form using Contact Adhesive.



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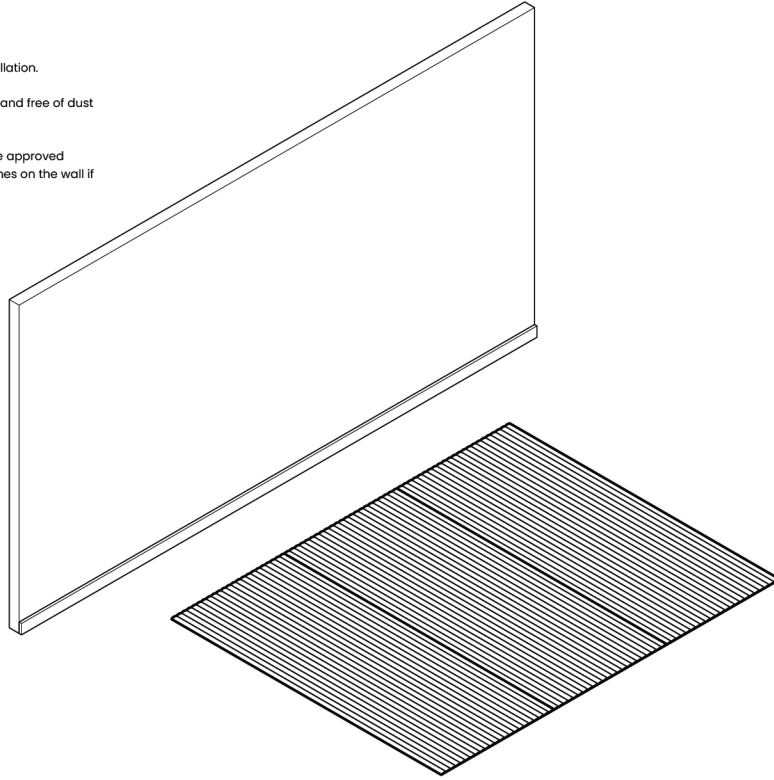
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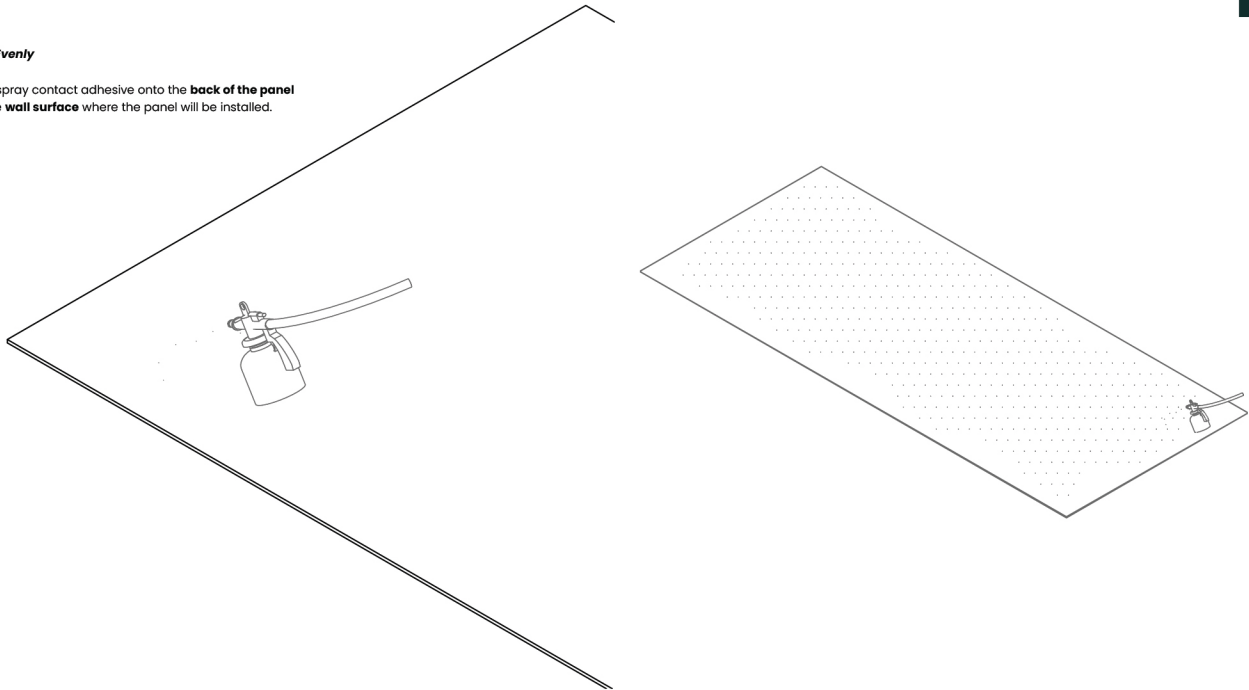
p.21

Before installing

1. Check the alignment of panels before installation.
2. Make sure the substrate is clean, dry, level, and free of dust or grease to ensure proper adhesion.
3. Confirm panel placement according to the approved layout drawing or design intent. Mark guidelines on the wall if necessary.

**Apply Evenly**

Evenly spray contact adhesive onto the **back of the panel** and the **wall surface** where the panel will be installed.

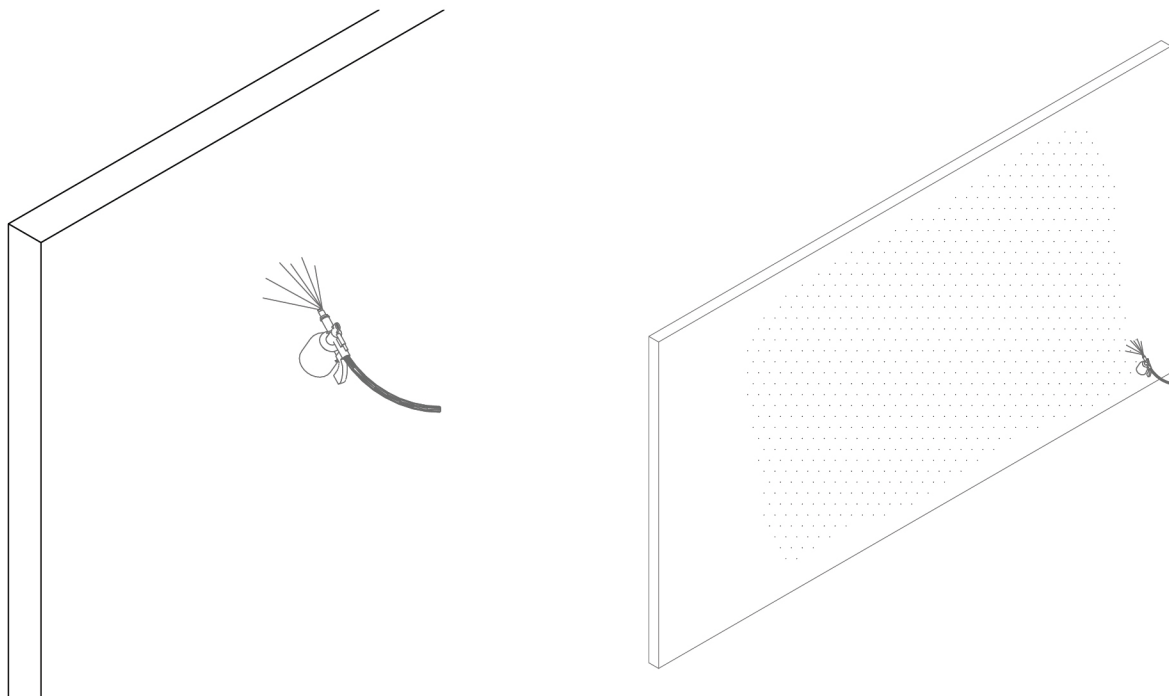


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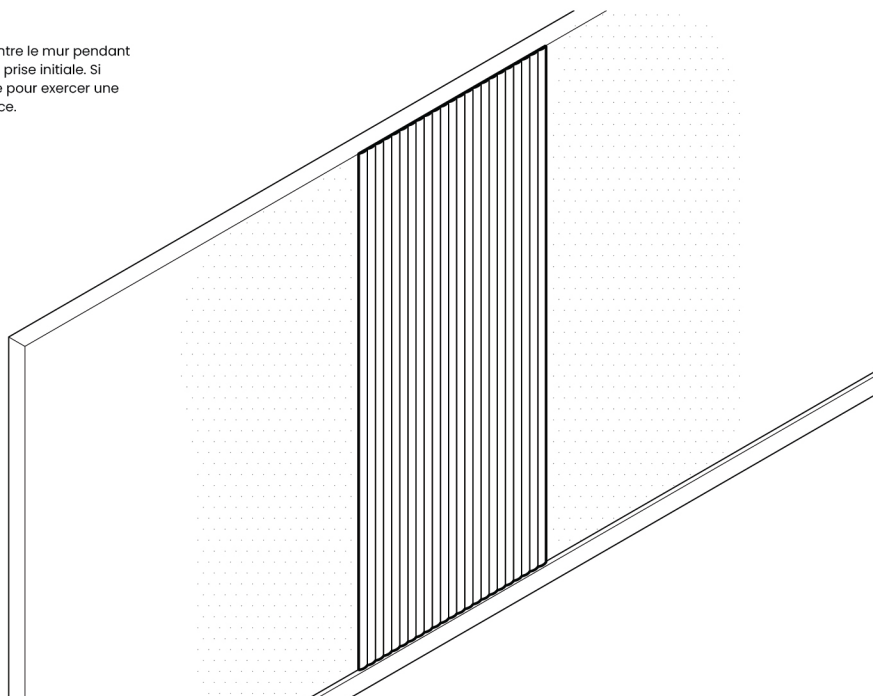
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3**4****Appliquez une pression adéquate**

Appuyez fermement le panneau contre le mur pendant quelques secondes afin d'assurer la prise initiale. Si nécessaire, utilisez un chiffon propre pour exercer une pression uniforme sur toute la surface.



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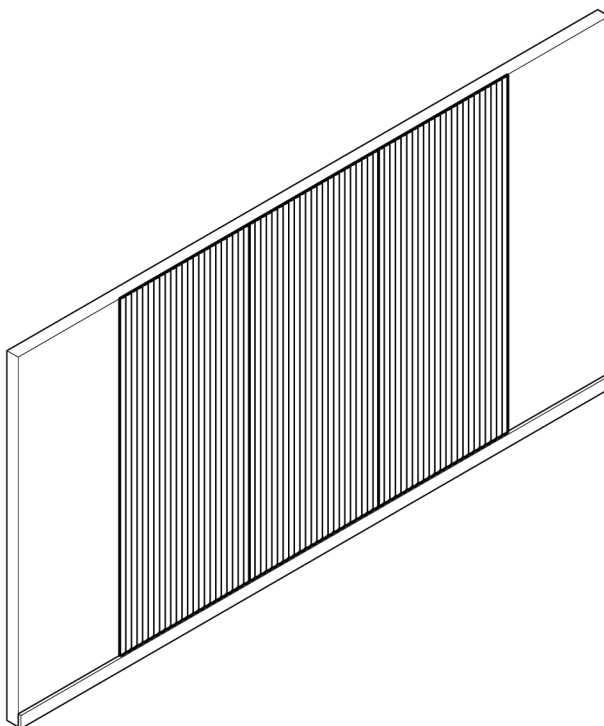
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Spécifiez en toute clarté.

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Allow to Cure

Follow the adhesive manufacturer's guidelines for curing time.



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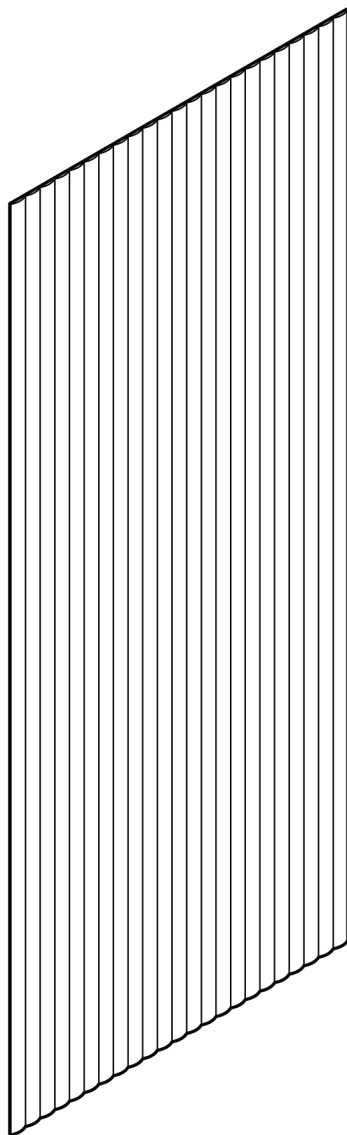
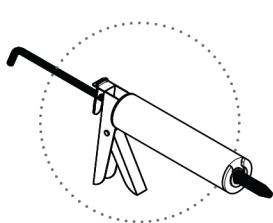
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Form Installation Guide

Installation Guide using **Soudal Fix All (Hightack)**

Refer to the drawings for accurate installation and fabrication requirements. drawing contains the fixing standards, connection details, and dimensional layouts for Form using Soudal Fix All (Hightack).



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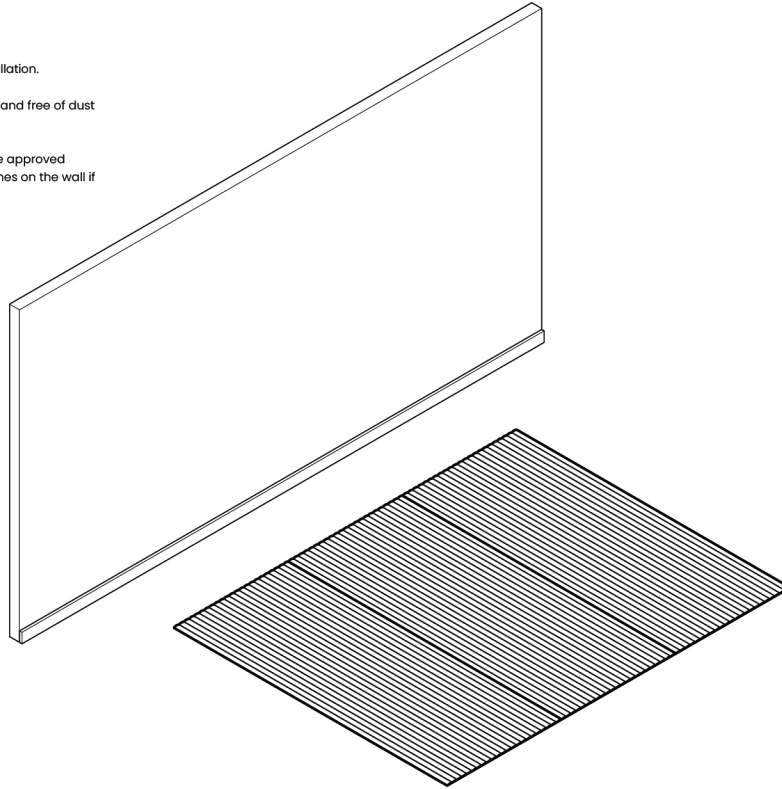
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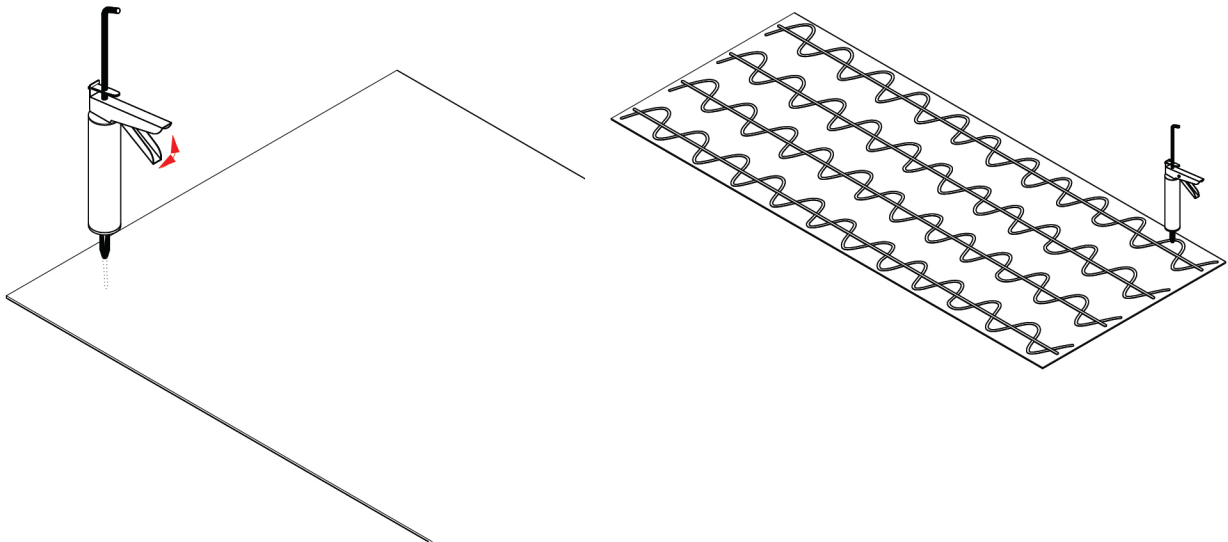
p.25

Before installing

1. Check the alignment of panels before installation.
2. Make sure the substrate is clean, dry, level, and free of dust or grease to ensure proper adhesion.
3. Confirm panel placement according to the approved layout drawing or design intent. Mark guidelines on the wall if necessary.

**Apply Evenly**

Apply Soudal Fix All adhesive in a continuous bead along all edges of the back of the panel to ensure a secure bond.



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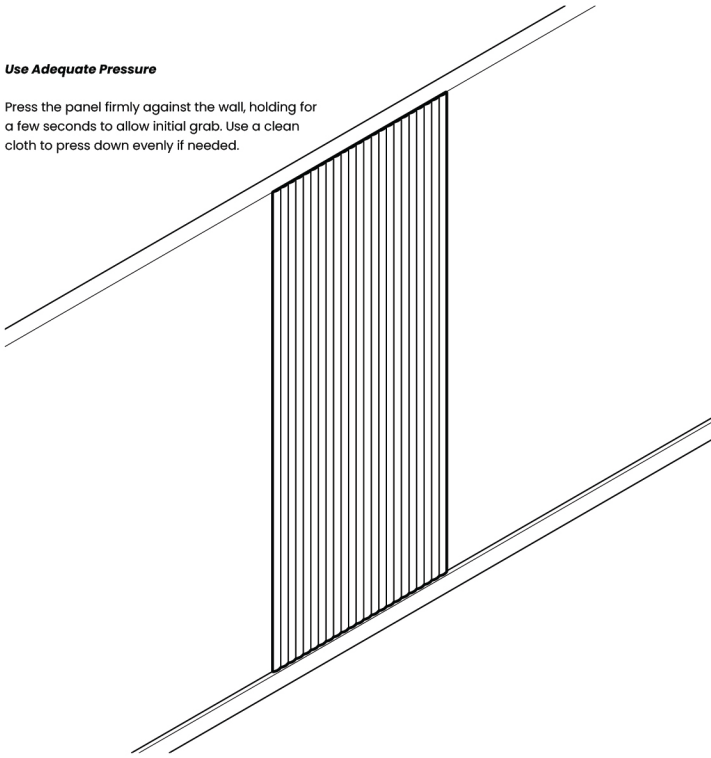
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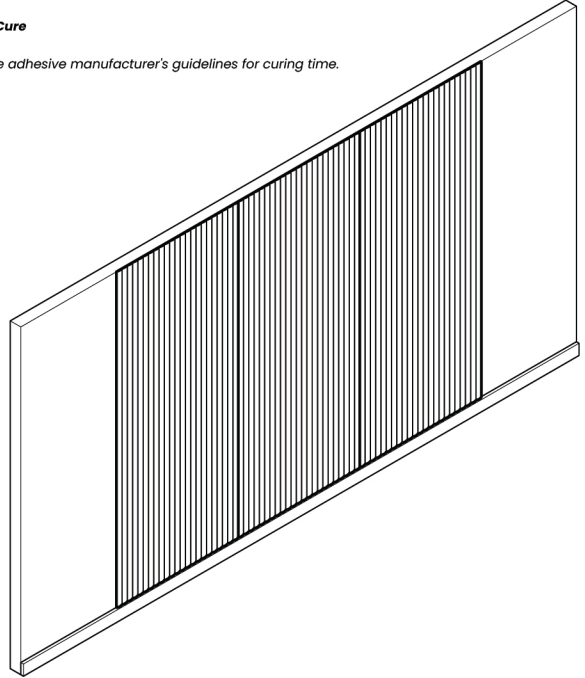
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Use Adequate Pressure

Press the panel firmly against the wall, holding for a few seconds to allow initial grab. Use a clean cloth to press down evenly if needed.

**Allow to Cure**

Follow the adhesive manufacturer's guidelines for curing time.



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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

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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

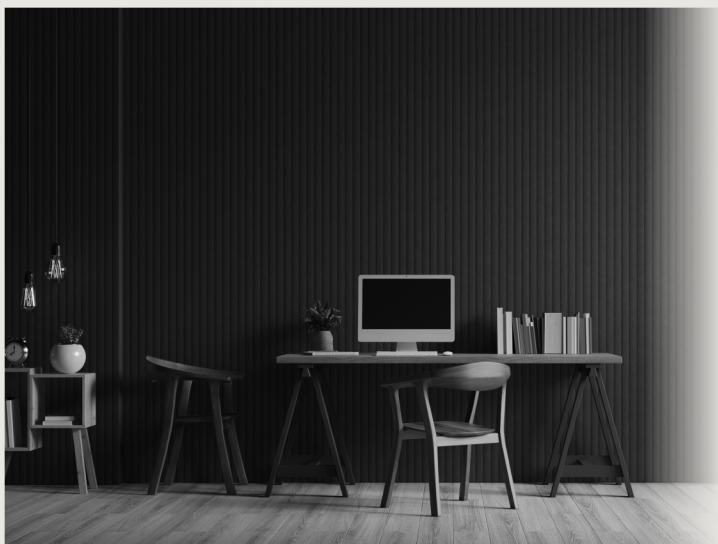
Recommended Application & Maintenance Guidance

- 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





FORM

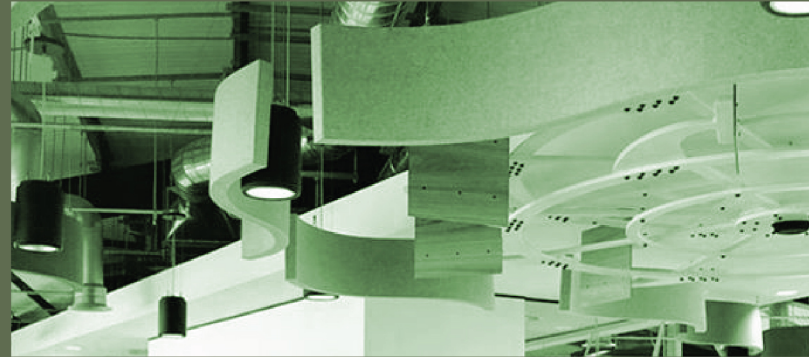
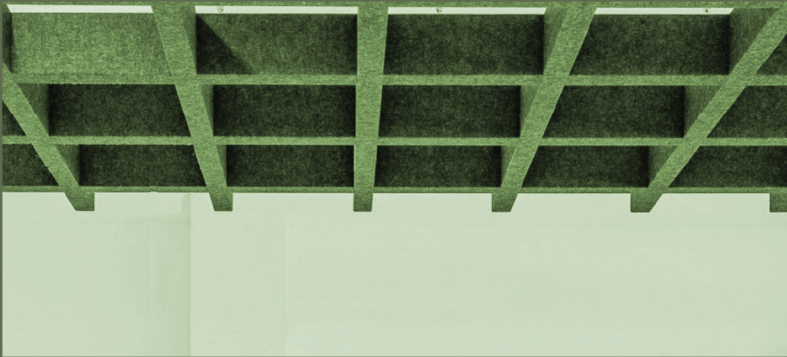
Designed to integrate seamlessly within architectural environments, Form delivers high-performance acoustic control with clarity in specification and confidence in delivery.

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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.