



THE
ACOUSTICS
COMPANY



Beam Linear

Beam Linear in Application



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



Le Lude, FR
Telford, UK

+33 2 21 76 44 32
ventes@acousticscompany.com

www.acousticscompany.fr
www.acousticscompany.com

Design with confidence
Specify with clarity.

p.2



Technical

Beam Linear™

Material Datasheet

Product Type	Alpha™
Composition	100% PET with 75% post-consumer recycled content
Thickness ¹	12 mm (0.47")
Max. Sheet size ¹	1225 × 2800 mm (48" × 110")
Acoustic ²	αw 0.60 (MH) NRC 0.75
Density ¹	2.4 kg/m²
Colours	42 colours (see Colour page for more information)
Colours Fastness	6–7
Fire Rating	EN 13501-1: B-s1, 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
VOC Emission	GREENGUARD Gold Certified Tested to ISO 16000
Durability ⁵	Moisture, mould, and mildew resistant
Carbon Footprint ⁶	0.042–0.066 kg CO ₂ e/m²

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.



Telford, UK
Le Lude, FR

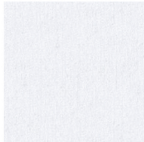
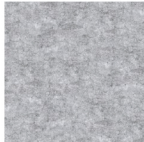
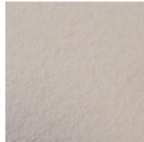
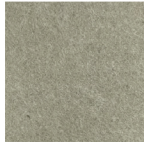
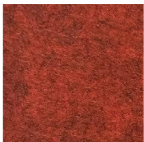
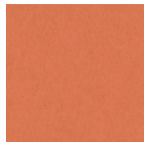
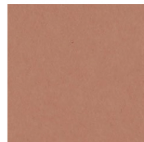
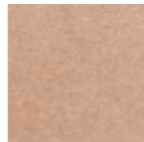
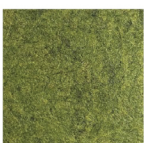
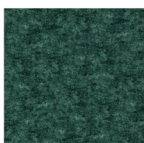
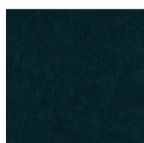
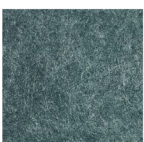
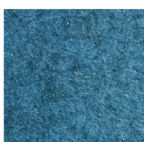
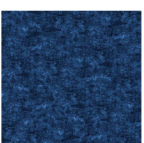
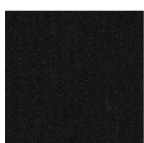
+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.

Beam Linear™

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 12mm & 24 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.

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



Telford, UK
Le Lude, FR

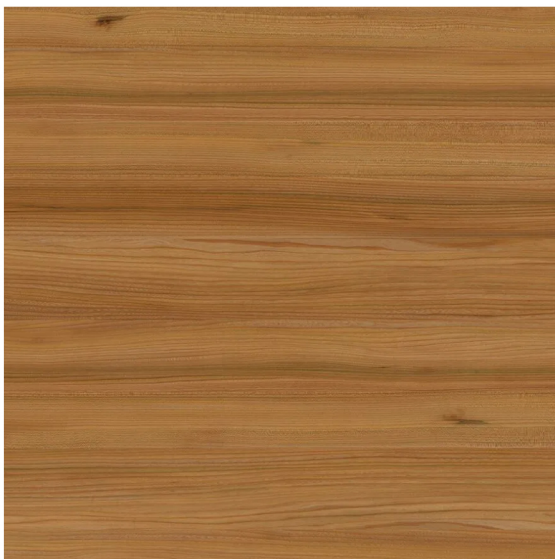
+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

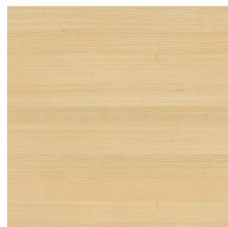
Design with confidence
Specify with clarity.

Beam Linear™

Wood Finishes



Elm



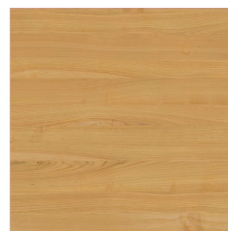
Ash



Beach



Larch



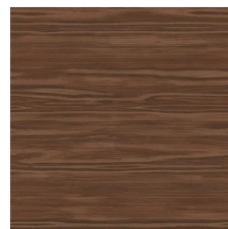
Oak



Zebrano



Bamboo



Verna



Pine



Frost



Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

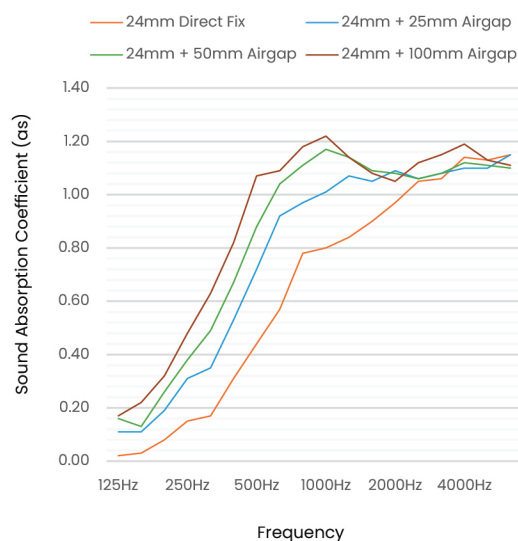
Design with confidence
Specify with clarity.

Beam Linear™

Acoustic Data

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

FREQUENCY (Hz)	125	250	500	1000	2000	4000	aw	NRC	Class
24mm Direct Fix	0.05	0.20	0.60	0.85	1.00	1.00	0.50 _(MH)	0.65	D
24mm + 25mm Airgap	0.15	0.40	0.85	1.00	1.00	1.00	0.70 _(MH)	0.85	C
24mm + 50mm Airgap	0.20	0.50	1.00	1.00	1.00	1.00	0.80 _(H)	0.95	B
24mm + 75mm Airgap	0.25	0.60	1.00	1.00	1.00	1.00	0.90	1.00	A
24mm + 100mm Airgap	0.25	0.65	0.90	1.00	0.95	1.00	0.95	1.00	A
24mm + 200mm Airgap	0.50	0.95	1.00	1.00	1.00	1.00	1.00	1.05	A
24mm + 300mm Airgap	0.65	1.00	1.00	1.00	1.00	1.00	1.00	1.00	A



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.



Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

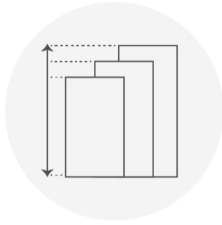
www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.

*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.

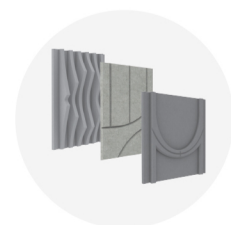
pages 10-12



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.

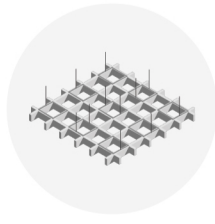
pages 17-18



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 21-31



8. AFTERCARE

Understand cleaning, care and long-term maintenance.

pages 32-34



Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

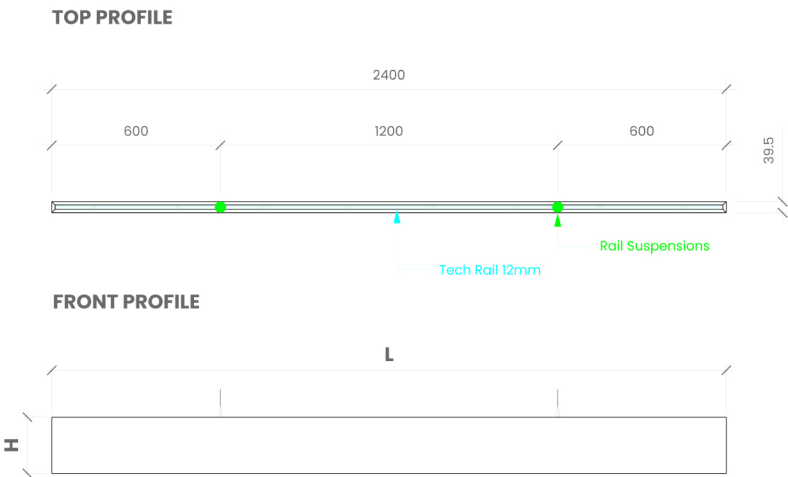
Design with confidence
Specify with clarity.



Size & Layout

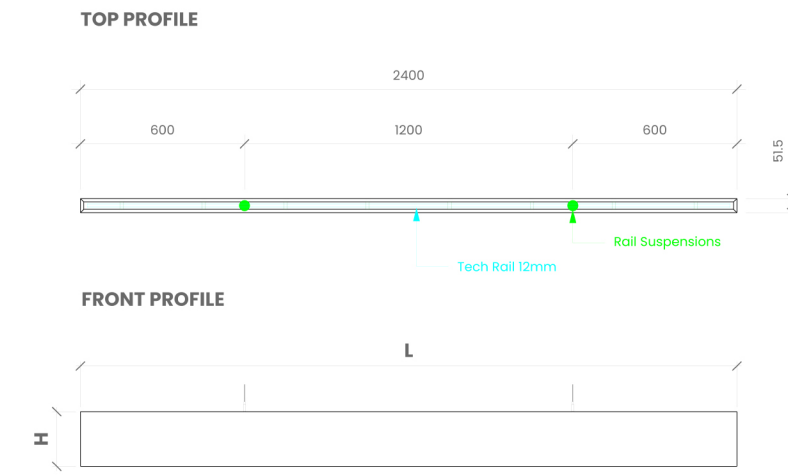
Size and Layout

Linear 38



Dimension Table	Linear 38
Beam Width	39.5mm
Beam Standard Length	2400mm
Beam Heights (all widths)	100mm
Type of Fixings	ST13, Tech Rail 12mm & 24mm
Material Thickness	12mm

Linear 50



Dimension Table	Linear 50
Beam Width	51.50mm
Beam Standard Length	2400mm
Beam Heights (all widths)	150mm
Type of Fixings	ST13, Tech Rail 12mm & 24mm
Material Thickness	12mm



Telford, UK
Le Lude, FR

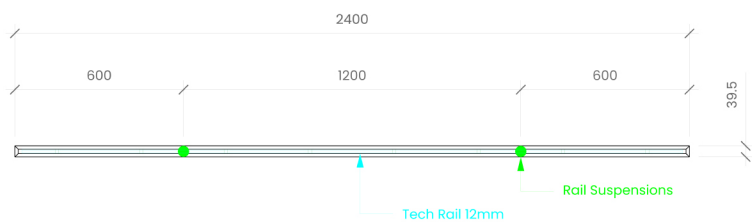
+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.

Linear 75

TOP PROFILE



FRONT PROFILE



Dimension Table	Linear 38
Beam Width	75.5mm
Beam Standard Length	2400mm
Beam Heights (all widths)	200mm
Type of Fixings	ST13, Tech Rail 12mm & 24mm
Material Thickness	12mm





Space

Space



OPEN-PLAN SPACES

Open-plan offices are designed to promote collaboration, communication, and flexibility, but exposed ceilings and the absence of physical barriers often contribute to increased background noise and reverberation. Beam Linear baffles provide overhead acoustic absorption to improve speech clarity, reduce distractions, and create a more comfortable working environment that supports both teamwork and focused tasks. Manufactured from 12 mm PET panels and available in a variety of beam depth configurations, colours, lengths, and suspension methods, Beam Linear can also be used to reinforce workplace branding, define activity zones, or create striking linear ceiling features while maintaining an open architectural aesthetic.



PRIVATE OFFICES

Private offices are intended to provide a quieter setting for focused work, confidential discussions, executive meetings, and virtual communication. Maintaining acoustic comfort in these enclosed spaces is essential for productivity and privacy. Beam Linear reduces sound reflections and reverberation while preserving an open ceiling design that complements contemporary office interiors. With configurable beam depths, lengths, colours, and installation methods available, the system can be specified to suit executive offices, management suites, or professional workspaces ranging from understated neutral interiors to more expressive design concepts.



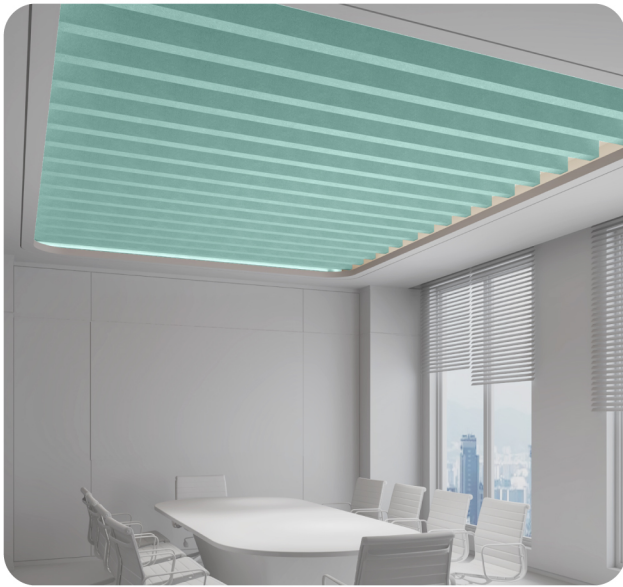
Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.

p.14



MEETING AND CONFERENCE ROOMS

Meeting and conference rooms require clear speech intelligibility for presentations, brainstorming sessions, client meetings, and video conferencing. Excessive reverberation can reduce communication quality and create listening fatigue during extended discussions. Beam Linear improves acoustic performance by controlling sound reflections and enhancing voice clarity throughout the room. Available in a range of beam depth configurations, colours, lengths, and suspension layouts, the system also enables designers to create distinctive linear ceiling features that strengthen the room's visual identity while maintaining a professional appearance.



RECEPTION AND WAITING AREAS

Reception and waiting areas are the first spaces visitors experience, making both acoustic comfort and visual presentation important considerations. Frequent conversations, foot traffic, and open ceiling volumes can contribute to elevated noise levels that affect the overall visitor experience. Beam Linear helps create a calmer, more welcoming environment by reducing ambient noise and reverberation. Its selection of beam depth configurations, colours, lengths, and installation methods enables designers to create visually striking ceiling features that complement the reception design, reinforce brand identity, and leave a lasting first impression.





CORRIDORS AND CIRCULATION SPACES

Corridors and circulation spaces serve as key pathways connecting different workplace areas and often experience continuous foot traffic and sound transfer. Without acoustic treatment, these long, hard-surfaced spaces can amplify noise and contribute to distractions in adjacent rooms. Beam Linear provides continuous overhead acoustic absorption to help minimise the spread of noise throughout the workplace while enhancing overall acoustic comfort. Available in multiple beam depth configurations, lengths, colours, and layout options, the system can also transform otherwise functional circulation spaces into visually engaging architectural features that contribute to a cohesive interior design.



CAFETERIAS

Office cafeterias are vibrant social spaces where conversations, movement, furniture, and hard finishes can create high levels of reverberation, particularly during busy meal periods. Managing these acoustic conditions is essential to maintain a comfortable environment without excessive noise build-up. Beam Linear effectively reduces reverberation, making conversations easier and creating a more pleasant dining experience for employees. Configurable beam depths, colours, lengths, spacing arrangements, and suspension methods also allow designers to introduce rhythm, character, and architectural interest, helping transform communal dining areas into inviting spaces that encourage interaction and wellbeing.





Design

Design Recommendations

Designed to assist in specifying Beam Linear configurations that balance acoustic performance, visual rhythm, and architectural expression within interior spaces.

Determine the Beam Configuration

Select the appropriate beam depth configuration to achieve the desired acoustic performance and visual impact. Different beam profiles can create subtle linear ceilings or bold architectural features while maintaining a consistent 12 mm PET construction

Optimise Beam Spacing

Adjust beam spacing to balance acoustic absorption, ceiling openness, and visual rhythm. Tighter spacing generally increases acoustic coverage, while wider spacing maintains greater ceiling transparency and service visibility.

Coordinate Beam Orientation

Orient Beam Linear parallel or perpendicular to the primary circulation path or architectural grid to reinforce the spatial layout. Consistent alignment creates a clean, organised ceiling composition and enhances the overall design intent.

Consider Ceiling Height

Select beam depths and suspension lengths appropriate to the ceiling height and room volume. Larger spaces with higher ceilings may benefit from deeper beam configurations to create greater visual presence while positioning acoustic absorption closer to the occupied zone.

Integrate with Other Acoustic Products

Combine Beam Linear with complementary wall or ceiling acoustic solutions where additional sound absorption or design continuity is required. A coordinated acoustic strategy can improve overall performance while creating a cohesive interior environment.





Detail

Detail Considerations

Provides guidance on detailing requirements, including module configuration, edge condition, and coordinations with ceiling systems.

Verify Ceiling Layout

1 Confirm ceiling dimensions, structural support locations, and service coordination before finalising the Beam Linear layout. Accurate planning minimises site modifications and ensures efficient installation.

Select the Appropriate Installation Method

2 Choose the installation method that best suits the project requirements, ceiling construction, and maintenance access. Ensure the selected fixing system provides adequate support for the specified beam configuration.

Coordinate Suspension Points

3 Position suspension points in accordance with the recommended support centres and beam lengths. Consistent suspension spacing helps maintain beam alignment and long-term stability.

Align with Building Services

4 Coordinate beam positions with lighting fixtures, air diffusers, sprinklers, smoke detectors, and access panels. Early coordination reduces clashes and preserves the intended ceiling layout.

Prepare the Installation Surface

5 Ensure the ceiling structure and fixing locations are suitable for the selected suspension system. Verify that supporting elements are capable of carrying the imposed loads before installation.

Detail Perimeter Conditions

6 Carefully coordinate beam terminations at walls, bulkheads, glazing, and other ceiling features. Consistent perimeter detailing creates a refined finish and accommodates installation tolerances.

Follow Recommended Installation Guidelines

7 Install Beam Linear in accordance with the specified fixing method and project documentation. Correct installation ensures optimum acoustic performance, structural stability, and long-term durability.



Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.

p.20

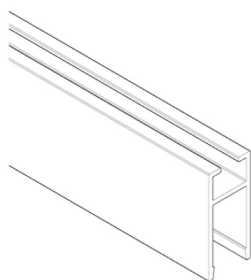


Installation

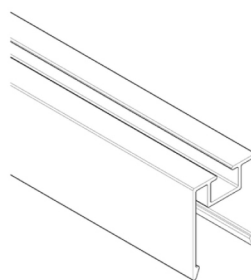
Beam Linear Installation Guide

using **Modular Rail Suspension**

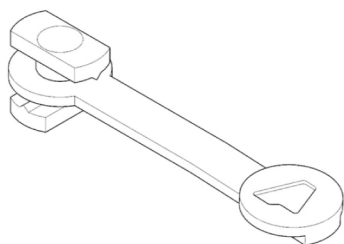
Refer to the drawings for accurate installation and fabrication requirements. Drawing contains the fixing standards, connection details, and dimensional layouts for Beam Linear Baffles using Modular Rail Suspension.



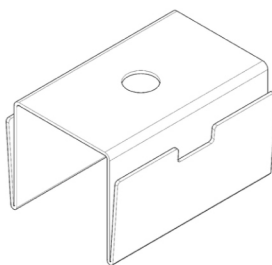
Built-in Tech Rail
12mm



Primary Tech Rail
24mm



Helicopter Clip



W Clip 24mm



ST13 (T Rail Suspension) -
TOP HAT



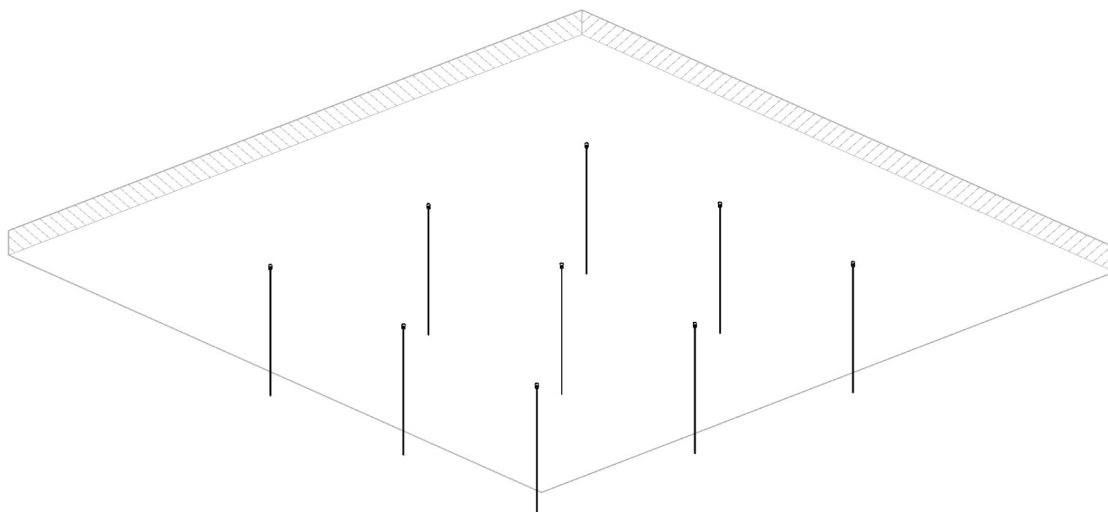
Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

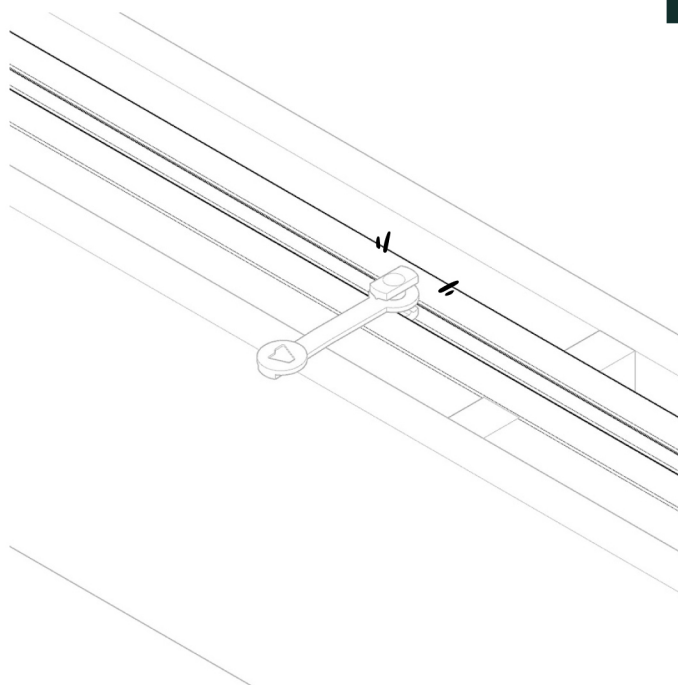
Design with confidence
Specify with clarity.

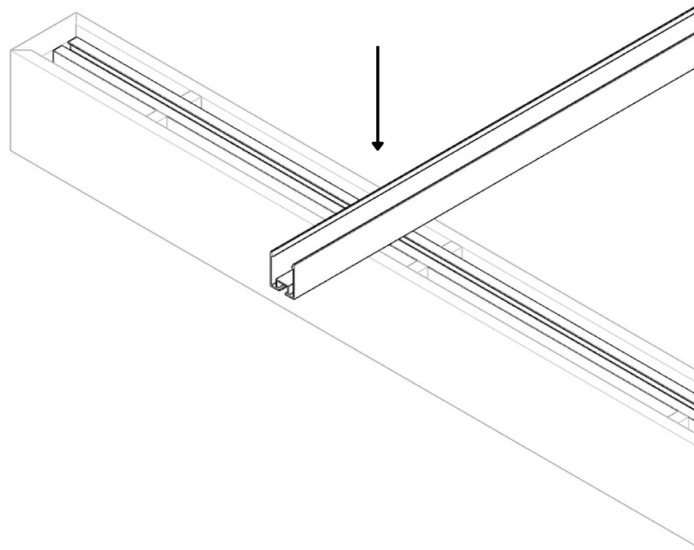
p.22



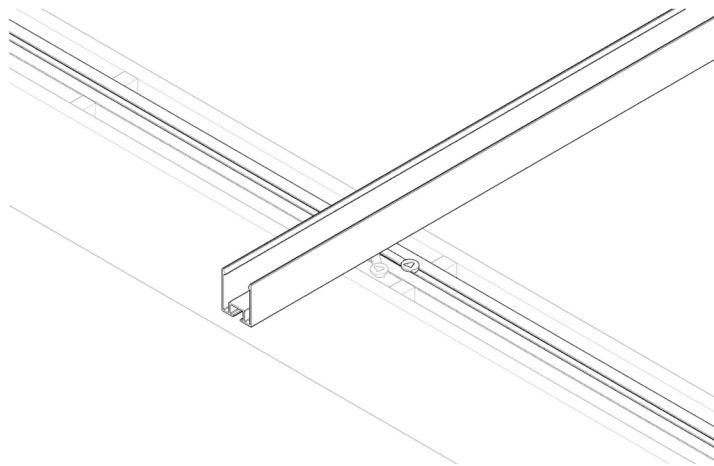
*Mark the ceiling locations for the suspension points, then
install the top hat/cables.*

*Clip the Helicopter Clip onto the
built-in Tech Rail. Repeat this
step for the remaining beams.*



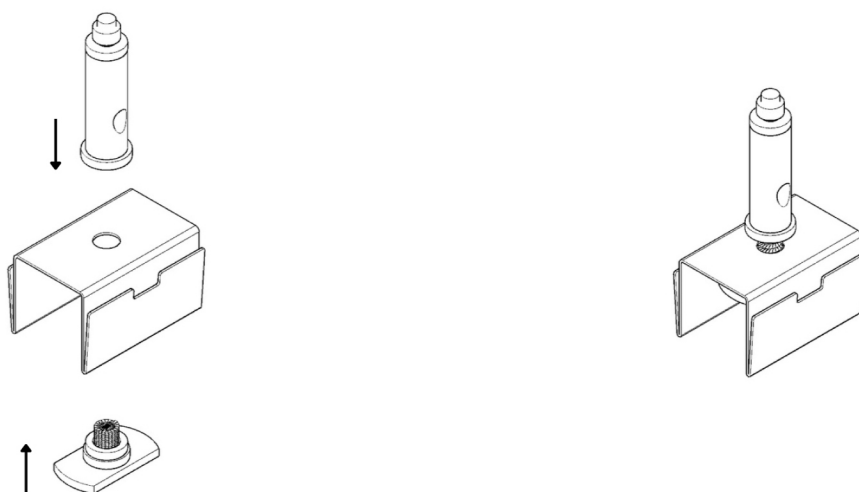


Attach the Primary Tech Rail onto the Helicopter Clip.

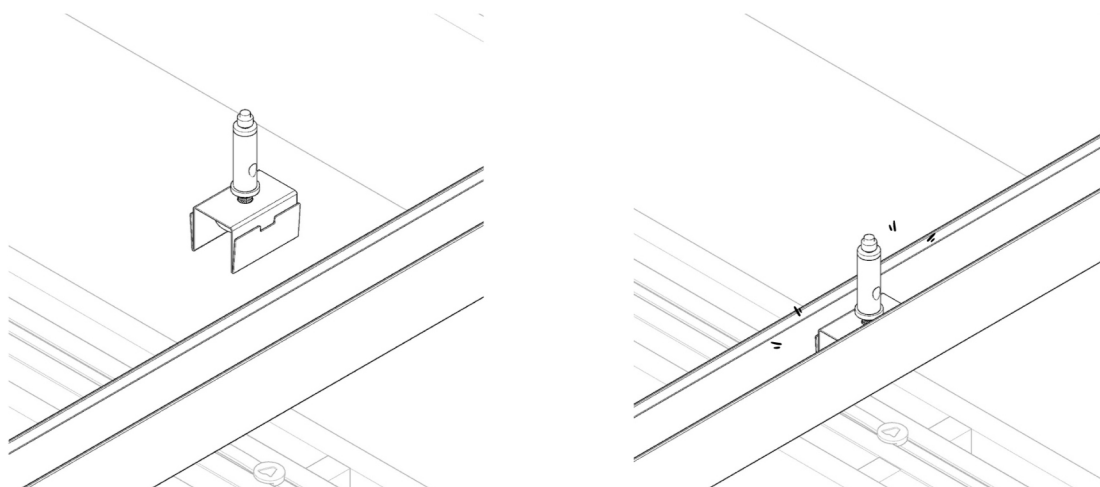


Lock the Helicopter Clip by rotating it until it aligns with the Built-in Rail.





Attach the ST13 or W Clip Suspension to the W Clip.



Clip the W Clip onto the bridging Tech Rail.

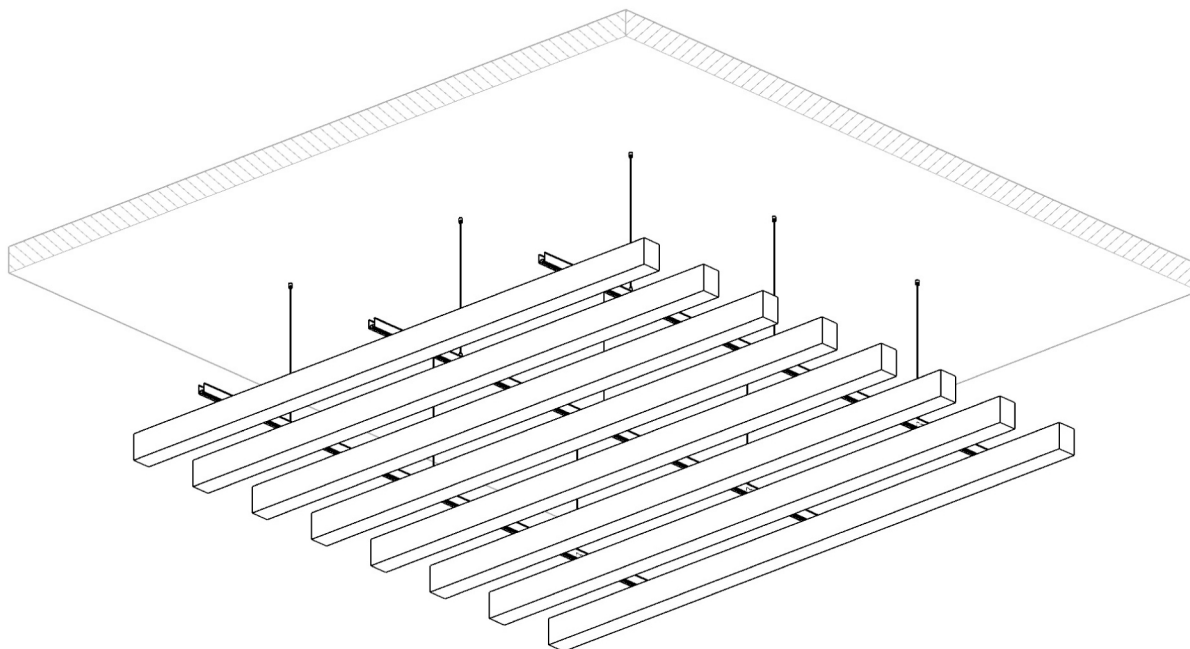


Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.



Suspend the Primary Tech Rails from the cables. Adjust the height as required.

NOTE: *This installation guide is specific to the installation method shown and is subject to change without notice. For the latest installation instructions, please contact your sales representative or request the most up-to-date version of the guides.*

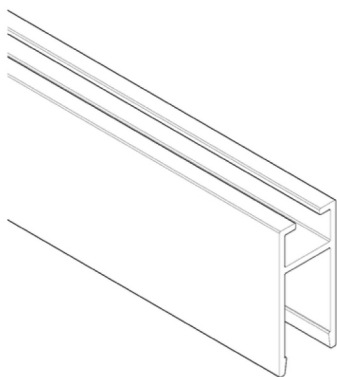


Beam Linear Installation Guide

Batten Baffles

Installation Guide using **Single Rail Suspension**

Refer to the drawings for accurate installation and fabrication requirements; drawing contains the fixing standards, construction details, and dimensional layouts for Beam Linear baffles using single rail suspension.



Built-in Tech Rail
12mm



ST13 (T Rail Suspension) -
TOP HAT

Fixing Points

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

Fixing Disclaimer.

Suitable/additional fixings for
substrates to be determined by
installer.



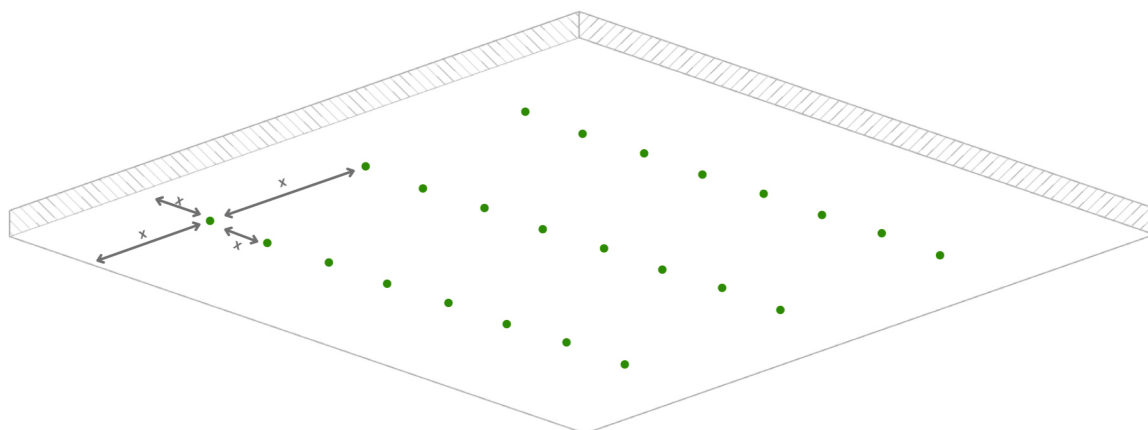
Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

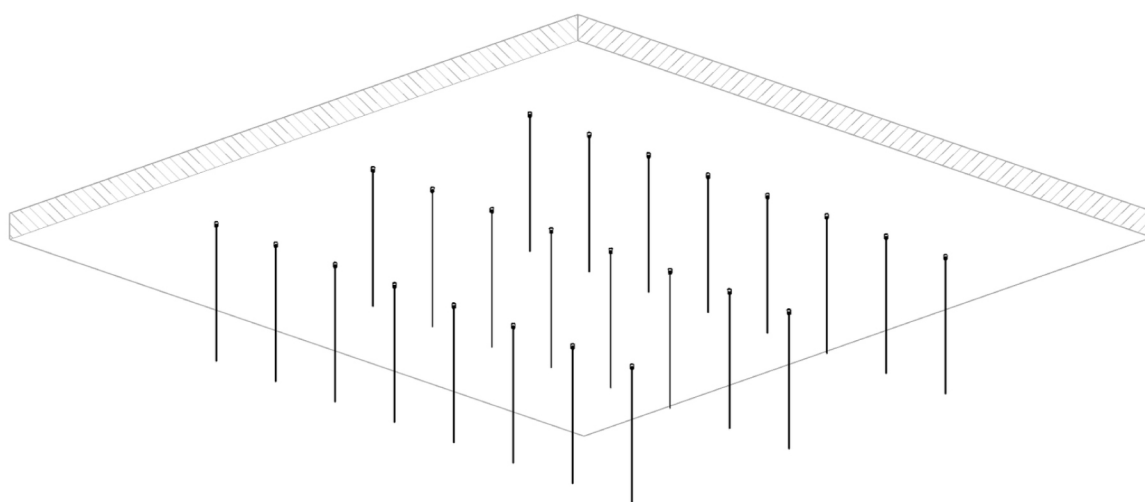
www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.

p.27

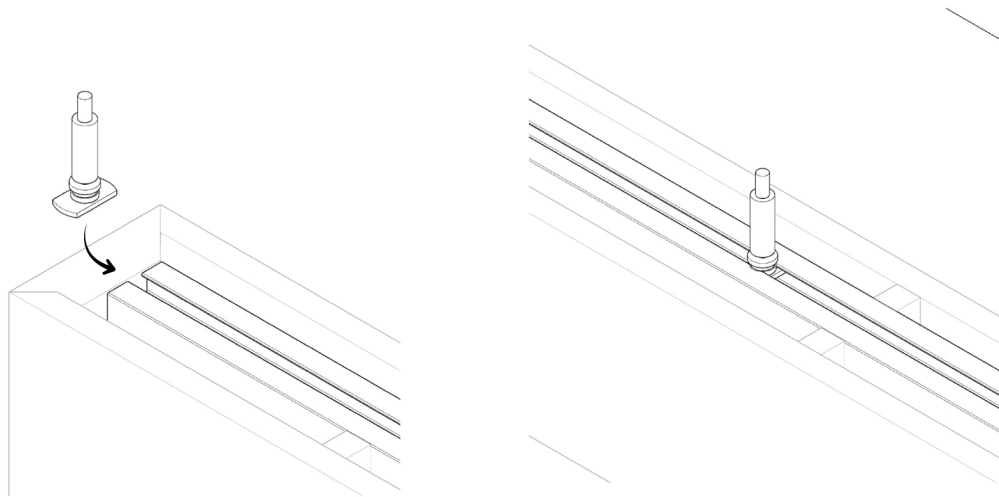


Mark the suspension points on the ceiling in accordance with the project report, ensuring the required beam positions and suspension spacing are achieved.

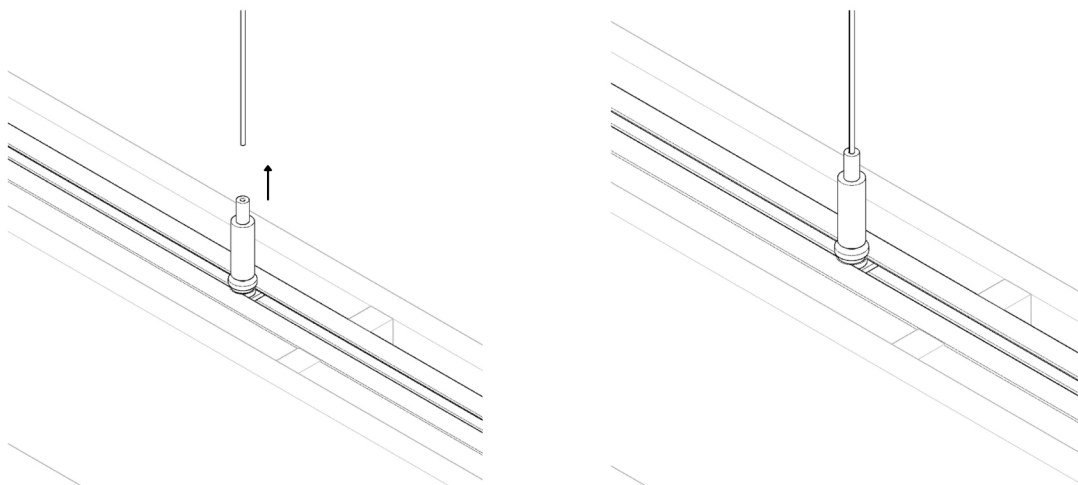


Install the ceiling fixings and suspend the suspension cables to the required height.



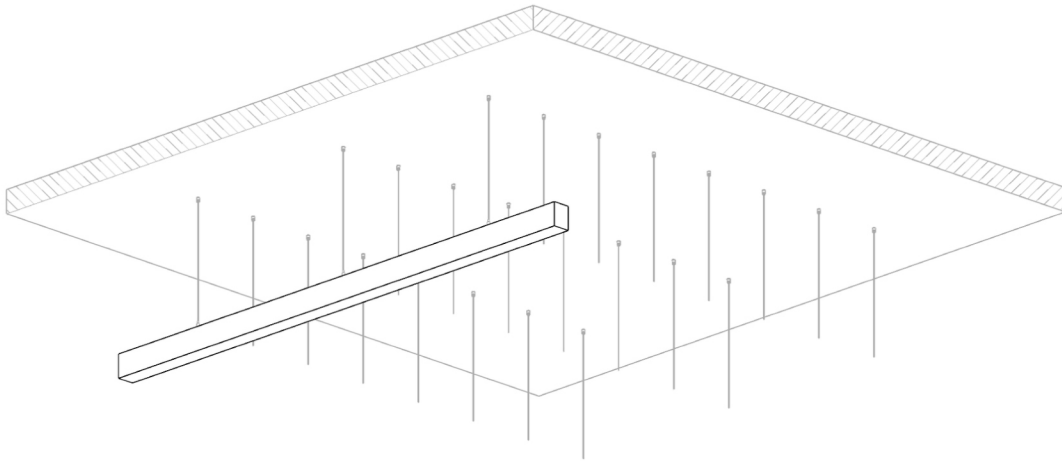


Slide the S13 Spring Clips into the beam's built-in tech rail at the locations specified in the project report.

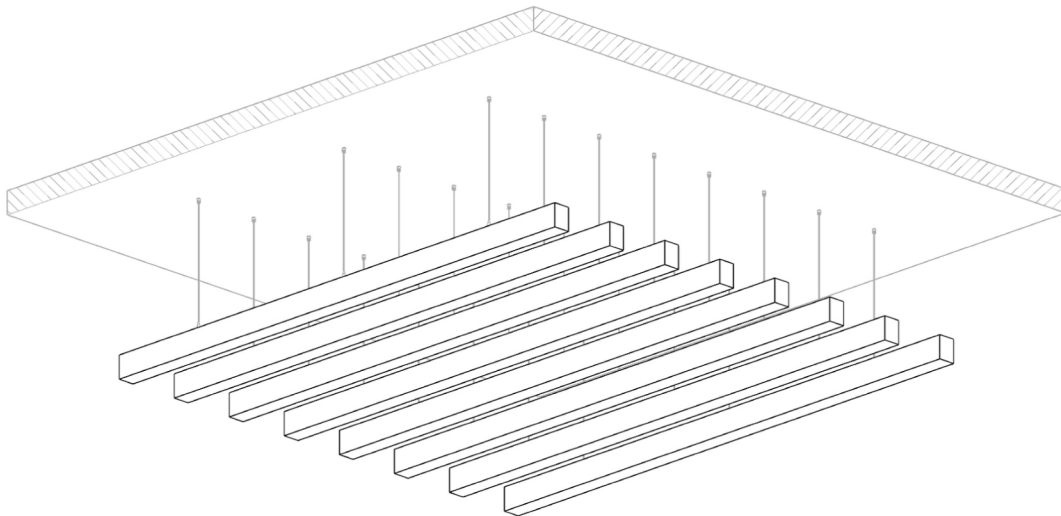


Lift the beam into position and attach the S13 clips to the suspension cables.





Verify that the beam is level and aligned. Adjust the suspension height as required.



Repeat the process for the remaining beams, ensuring the specified beam spacing and alignment are maintained throughout the installation.



Beam Linear



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.



Telford, UK
Le Lude, FR

+44 (0)1952 947390
sales@acousticscompany.com

www.acousticscompany.com
www.acousticscompany.fr

Design with confidence
Specify with clarity.

p.31



Aftercare

Beam Linear™

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





BEAM LINEAR

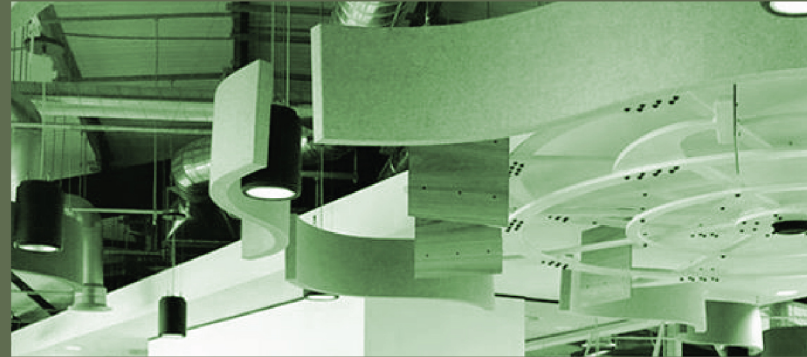
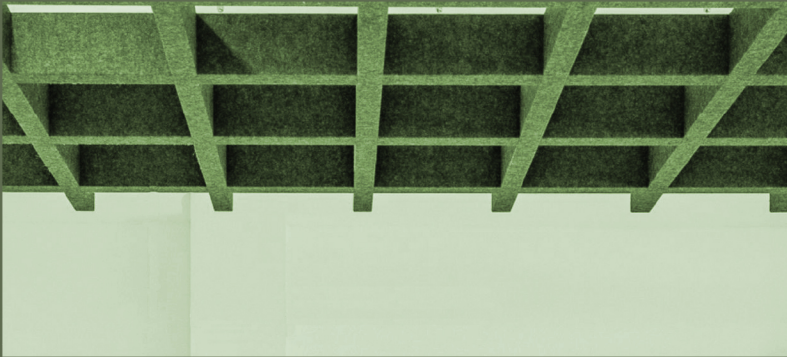
Designed to integrate seamlessly within architectural environments, Beam Linear delivers high-performance acoustic control with clarity in specification and confidence in delivery.

Copyright © 2026 The Acoustics Company. All Rights Reserved.

This document and its contents are the property of The Acoustics Company. Prepared to support confident design decisions and clear specification, this guide is intended for reference, coordination, and early-stage planning only. No part of this document may be copied, reproduced, edited, cropped, extracted, or distributed, in whole or in part, without prior written permission from The Acoustics Company. All information should be reviewed and verified against project-specific conditions, site coordination requirements, and final approved drawings prior to specification, manufacture, or installation.



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.