



Finch.TM

Acoustic Panels

Technical Datasheet



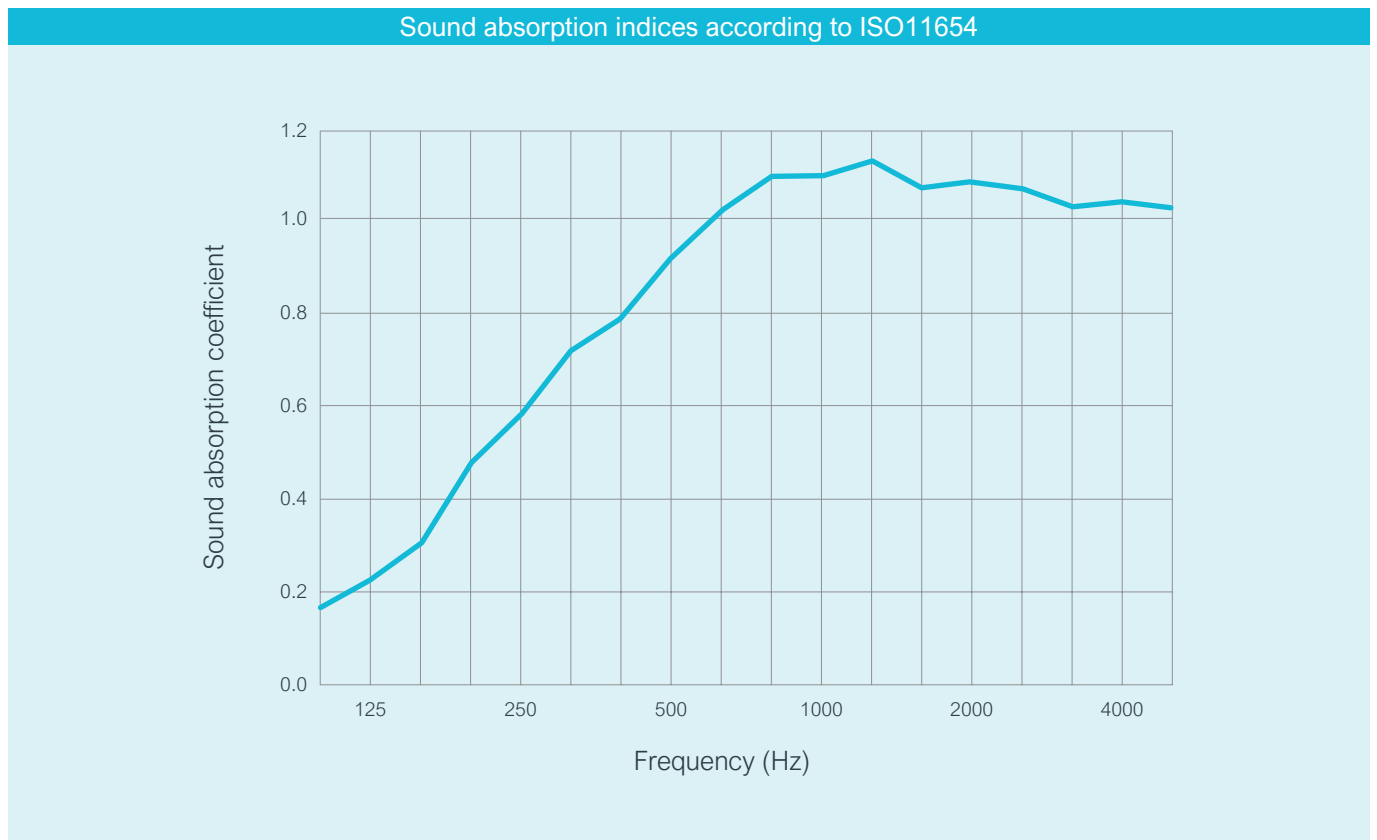
SongbirdTM
Acoustic Panels.

By NOVA Acoustics

Acoustic Performance

Experience clearer, quieter spaces with Finch™ Acoustic Panels, expertly engineered to reduce echo and improve sound quality. Their high-performance acoustic absorption makes them ideal for offices, studios, classrooms, and busy public areas. Lightweight, durable, and easy to install, these panels deliver reliable performance without extra finishing. Made from sustainable materials, Finch™ Acoustic Panels offer an eco-friendly way to enhance comfort and acoustic clarity in any room.

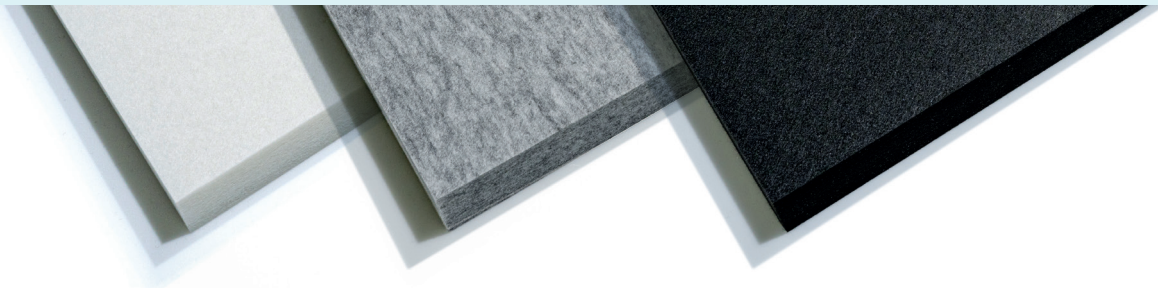
Acoustic Performance - Sound absorption indices according to ISO11654			
Without Air Gap			
Hz	Absorption Coefficient	Hz	Absorption Coefficient
100	0.17	800	1.09
125	0.23	1000	1.09
160	0.31	1250	1.12
200	0.48	1600	1.07
250	0.58	2000	1.08
315	0.72	2500	1.07
400	0.79	3150	1.03
500	0.92	4000	1.04
630	1.02	5000	1.03
Class Absorption: A		αw 0.9	



Technical Performance

Finch™ is a 40 mm polyester-fibre acoustic board made with over 60% recycled material, offering a sustainable blend of durability, stability, and clean visual appeal. Lightly pressed on both sides for a smooth finish, it suits a wide range of interior wall and ceiling applications. Once installed, Finch™ reduces reverberation and measurably improves overall room acoustics.

The next section outlines the key technical performance data — including acoustic absorption, fire rating, and other specifications essential for informed design and specification.



Cleaning	The surface can be easily cleaned with a vacuum cleaner with a soft brush.
Density	50 (kg/m ³)
Thickness	40mm
Cutting Tolerances	+/- 3 mm max. Elastic, non-deformable product with straight edges.
Thickness Tolerances	± 4mm
Hygiene, Health & Environment	The material generally meets hygiene, health, and environmental requirements.
Quality, Environment & Safety	Independently monitored Quality and Environment Assurance Systems in line with EN ISO 9001 and EN ISO 14001
Surface Mass	2,0 (kg/m ²)
Environmental Characteristics	Manufactured without VOC or formaldehyde emissions: Product classified A+ (ISO 16000) according to report no. 72153D and Öko-Tex 100 environmental label class 1 (ISO 17050-1) – report no. 1596. Recyclable product (100% PET)
Fire Classification	According to DIN EN 13501-1 (2019-05). Black Version Classification: B-s2,d0. White / Grey Version Classification: B-s1,d0.
Substrate	The substrate must be even, smooth, clean, and dry. It must also be free from elements that could damage the boards. The surface receiving the panel should be clean, free of oil, dust and grease. Always perform a test with the glue to ensure compatibility and adhesion while strictly following the bonding instructions provided by the manufacturer.
Thermal Details	$\lambda = 0,034 \text{ W/(m}\cdot\text{K)}$

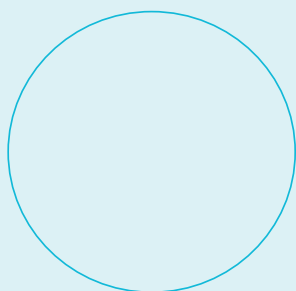
Shapes

We understand that every room is unique, which is why Finch™ Acoustic Panels are available in a range of shapes and sizes. Whether installed individually or combined in creative groupings, they offer endless design flexibility.

Shapes and sizes		
Circle (mm)	Rectangle (mm)	Square (mm)
Ø 300	300 / 400 x 600	400
Ø 400	300 / 400 x 1000	600
Ø 600	300 / 400 x 1200	800
Ø 800	600 x 1000 / 1200	1000
Ø 1000	800 x 300 / 400 / 600	1200
Ø 1200	1200 x 1600 / 2000 / 2400	

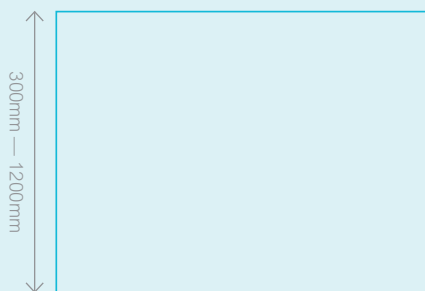
Other shapes and sizes available upon request.

Circle



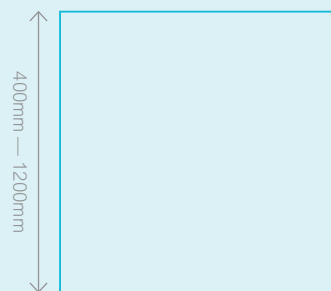
Ø 1200mm

Rectangle



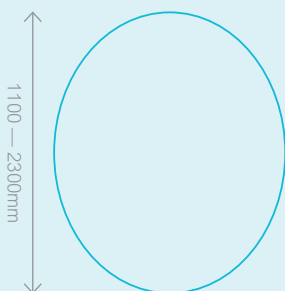
600mm — 2400mm

Square



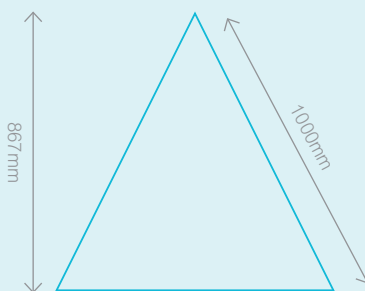
400mm — 1200mm

Ellipse



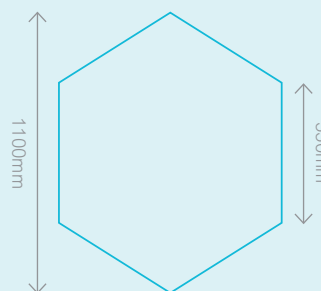
800mm — 1150mm

Triangle



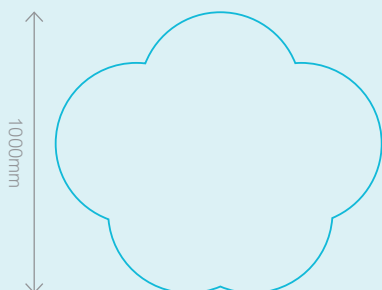
1000mm

Hexagon



953mm

Cloud



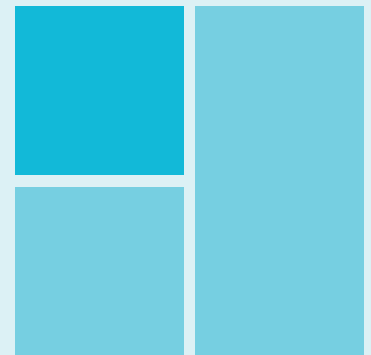
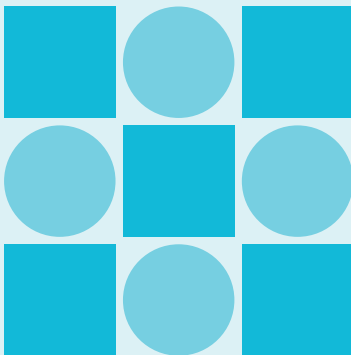
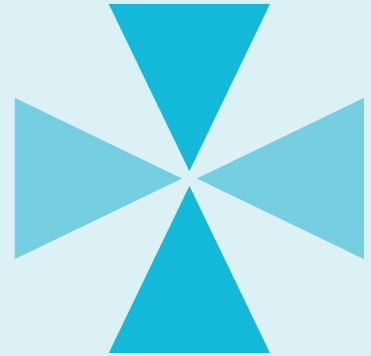
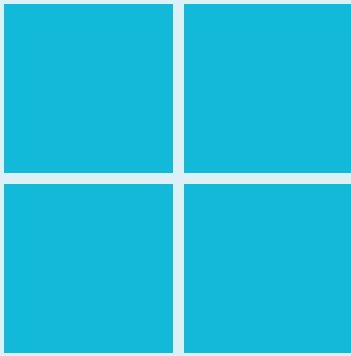
1150mm

Need some inspiration?

Give our team of acoustic consultants a call to discuss your project.

Grouping Ideas

Finch™ Acoustic Panels can be arranged in countless configurations to complement any space. Whether used as a subtle accent or a full feature installation, thoughtful grouping enhances both visual rhythm and acoustic performance.



Colours

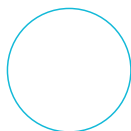
Finch™ Acoustic Panels are available in three standard polyester colours for a clean, contemporary finish, or can be specified in a wide range of painted colour options, allowing for greater design freedom and seamless integration with surrounding interiors.

Polyester Colours



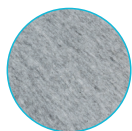
Black

Standard Colour



White

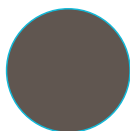
Standard Colour



Grey

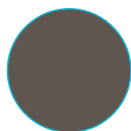
Standard Colour

Painted RAL Colours



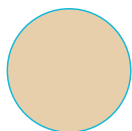
Beige Grey

RAL 1019



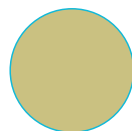
Mocha Black

RAL Design 050 40 10



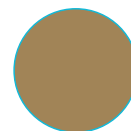
Ivory

RAL 1014



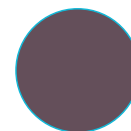
Pea Green

RAL Design 095 80 40



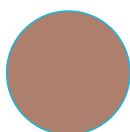
Ocher Yellow

RAL 1024



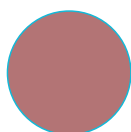
Ruby Gray

RAL Design 360 40 15



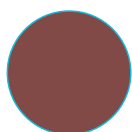
Beige Red

RAL 3012



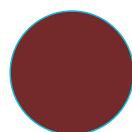
Old Pink

RAL 3014



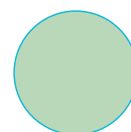
Brown Brick

RAL Design 030 40 30



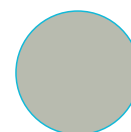
Bordeaux

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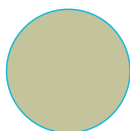
Green White

RAL 6019



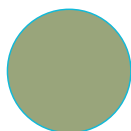
Gray Spring

RAL Design 110 80 10



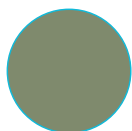
Beige Green

RAL 1000



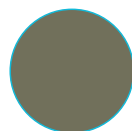
Wasabi Gren

RAL Design 110 70 30



Pea Pod

RAL Design 110 60 20



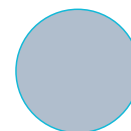
Rush Green

RAL 6013



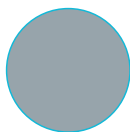
Pine Green

RAL Design 180 40 10



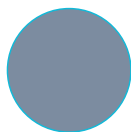
Powder Blue Soft

RAL Design 260 80 10



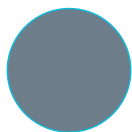
Laundry Blue

RAL Design 240 70 05



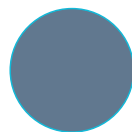
Bleu Nordland

RAL Design 260 60 15



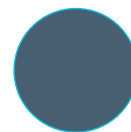
Small Grey

RAL 7000



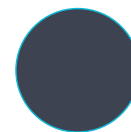
Centre Blue

RAL Design 260 50 20



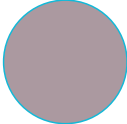
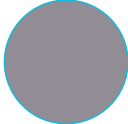
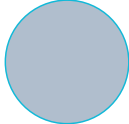
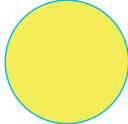
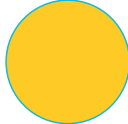
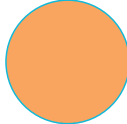
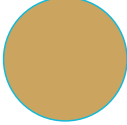
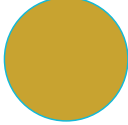
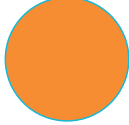
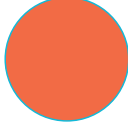
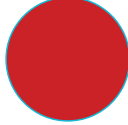
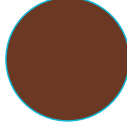

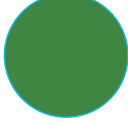
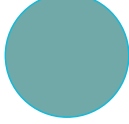
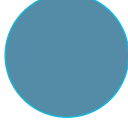
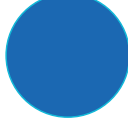
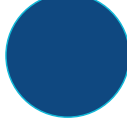
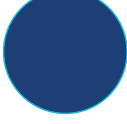
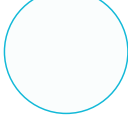
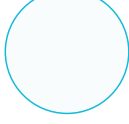
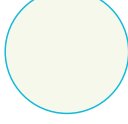
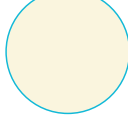
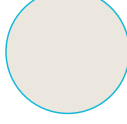
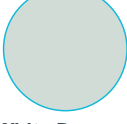
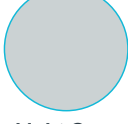




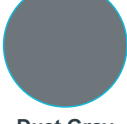
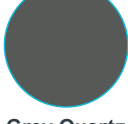
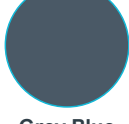
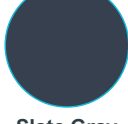

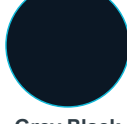




Steel Blue Gray

RAL Design 250 40 15



Meteorite Blue

RAL Design 280 30 10

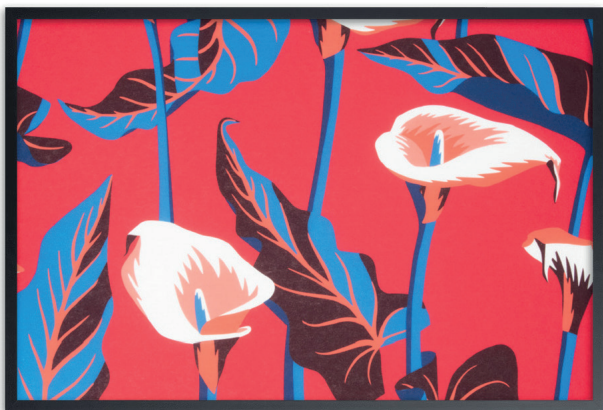
					
Rose Quartz RAL Design 360 70 10	Platinum Gray RAL 7036	Majolique Mauve RAL Design 360 60 10	Sulfur Yellow RAL 1016	Safety Yellow RAL 1003	Saffron Yellow RAL 1017
					
Beige RAL 1001	Sand Yellow RAL 1002	Melon Yellow RAL 1028	Pastel Orange RAL 2003	Sign Red RAL 3020	Clay Brown RAL 8003
					
Yellow Green RAL 6018	Green May RAL 6017	Pastel Turquoise RAL 6034	Pastel Blue RAL 5024	Sky Blue RAL 5015	Sign Blue RAL 5017
					
Safety Blue RAL 5005	Pure White RAL 9010	Sign White RAL 9016	Soft Cream White RAL 9001	Pearl White RAL 1013	White Grey RAL 9002
					
White Papyrus RAL 9018	Light Grey RAL 7035	Agate Gray RAL 7038	Window Gray RAL 7040	Signal Grey RAL 7042	Ash Gray RAL Design 000 60 00
					
Dust Gray RAL 7037	Grey Quartz RAL 7039	Grey Blue RAL 7031	Slate Gray RAL 7015	Gris Anthracite RAL 7016	Grey Black RAL 7021
					
Dark Black RAL 9005	Vanilla White RAL Design 075 93 05	Beige Chalk RAL Design 075 80 10	Linen Fiber Grey RAL Design 075 70 10		



Finch™ Art

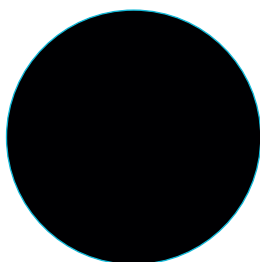
Finch™ Art allow acoustic panels to become works of art. Printed with your custom design, these wall-mounted panels deliver high-performance sound absorption while elevating your interior aesthetic. Perfect for branding, décor or feature walls using bespoke artwork, branding, photography or illustration.

Shapes, Sizes & Finish Options			
Shape	Size (mm)	Printed Face Only	Framed
Square	600 x 600 x 40	Yes	Yes
Square	1200 x 1200 x 40	Yes	Yes
Rectangle	1200 x 600 x 40	Yes	Yes
Rectangle	2400 x 1200 x 40	Yes	No

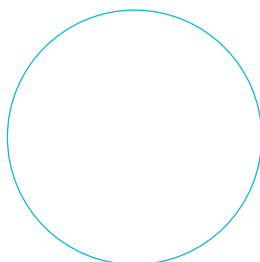


Frame Colours

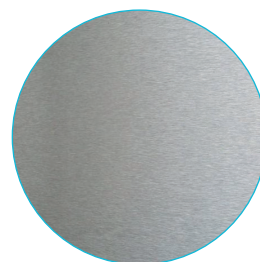
Finch™ Acoustic Panels finished with a custom printed face can be supplied with or without a solid frame.



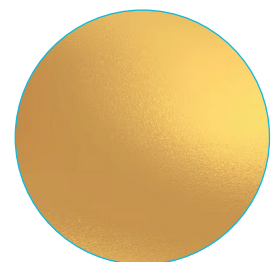
Black



White



Aluminium



Gold

Installation Guide: Directly Fixed Panels

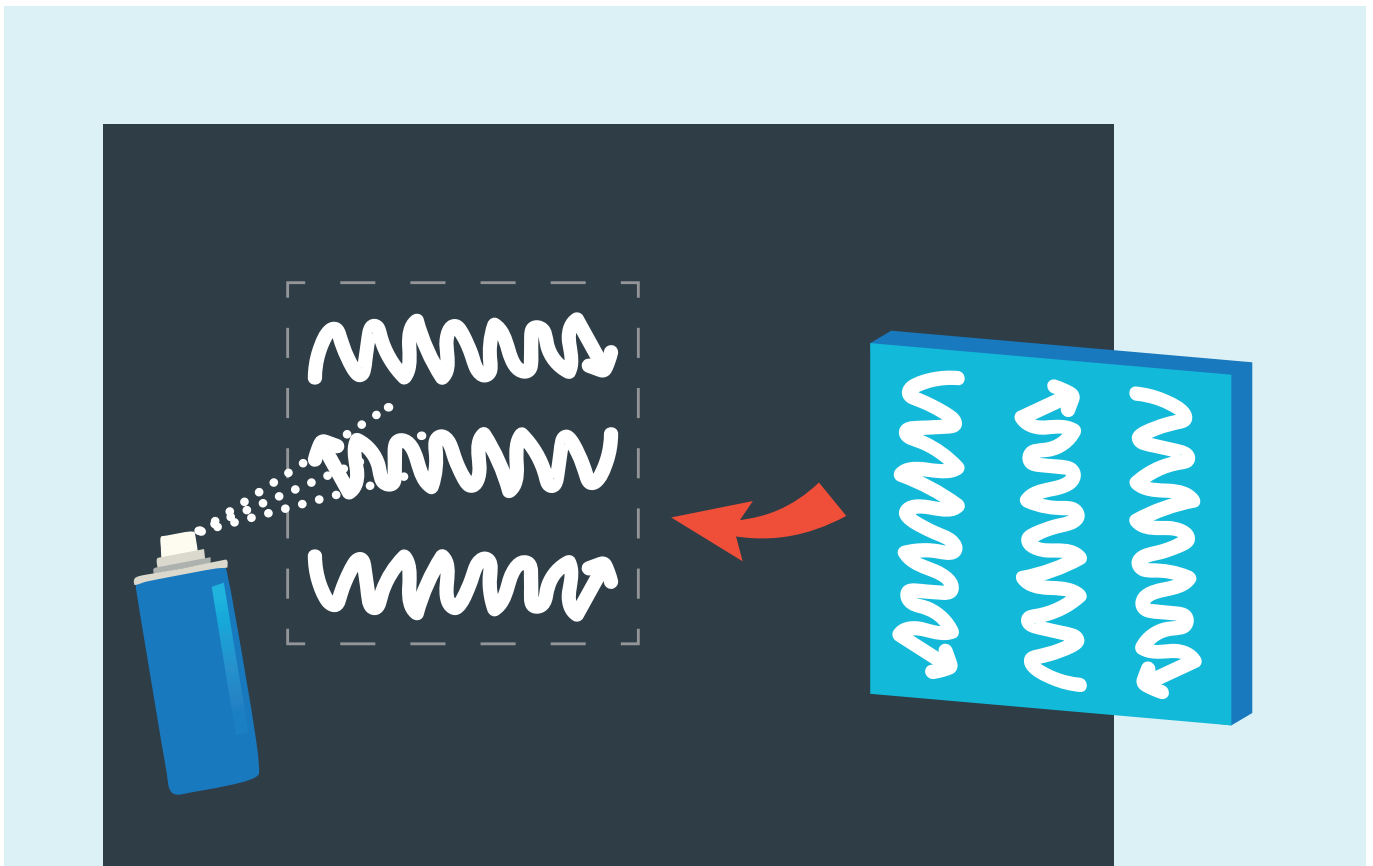
Finch™ Acoustic Panels can be installed using our contact spray adhesive, providing a quick, secure, and reliable bond to the backing surface. This method allows the panels to be fixed directly to walls and ceilings made from standard construction materials including concrete, brickwork, timber, plaster, and metal. No mechanical fixings or drilling are required, making installation clean and efficient. Panels up to a maximum size of 1200mm x 1200mm can be installed on the ceiling using adhesive only. Additional adhesive and / or mechanical fixings are advised for panel sizes larger than 1200mm x 1200mm.

Surface Preparation

The wall or ceiling must be clean, dry, and free from loose paint, plaster, dust, oils, or grease. Remove all wallpaper completely. Roughen gloss paint, and use a stiff brush over emulsion paint to ensure a firm surface. On highly absorbent substrates, a light priming coat of spray adhesive may be required. All wall or ceiling surfaces must be flat and level.

Fixing Panels

Mark out panel positions on the wall, then apply contact adhesive to both the back of each panel and the area on the wall. Apply adhesive vertically on the panels and horizontally on the wall surface. Allow approximately 1–2 minutes of tack time at room temperature before positioning the panel. Once aligned, press firmly using light, even pressure with a clean pad or roller.

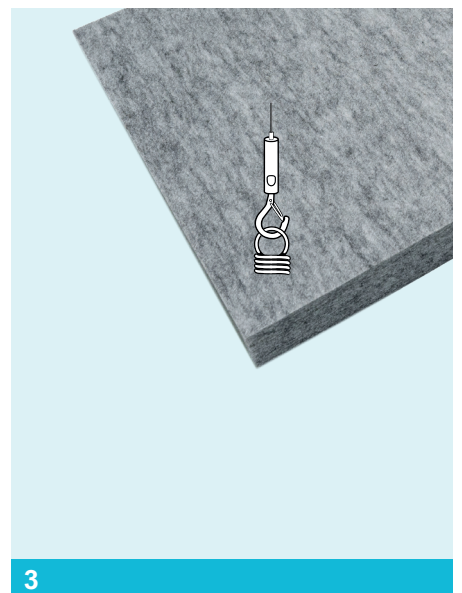
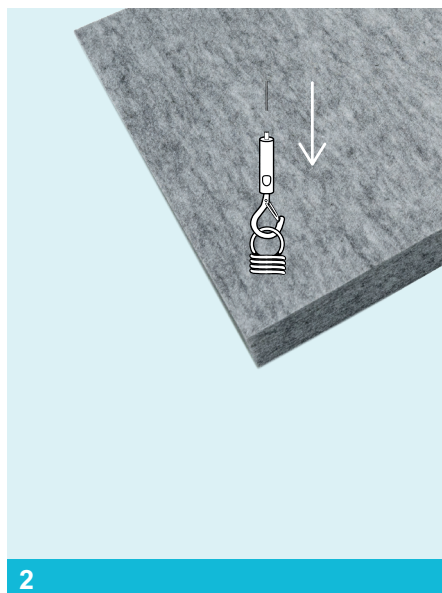
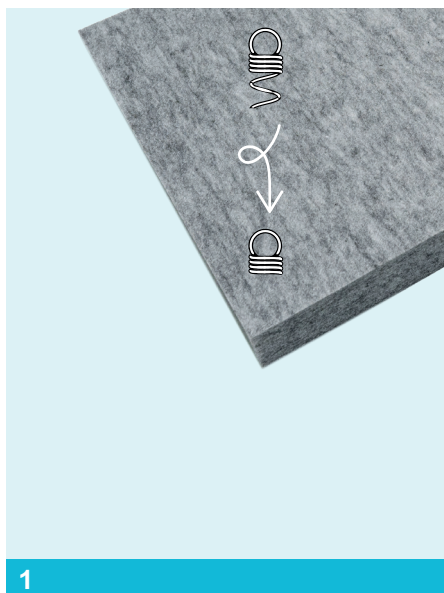
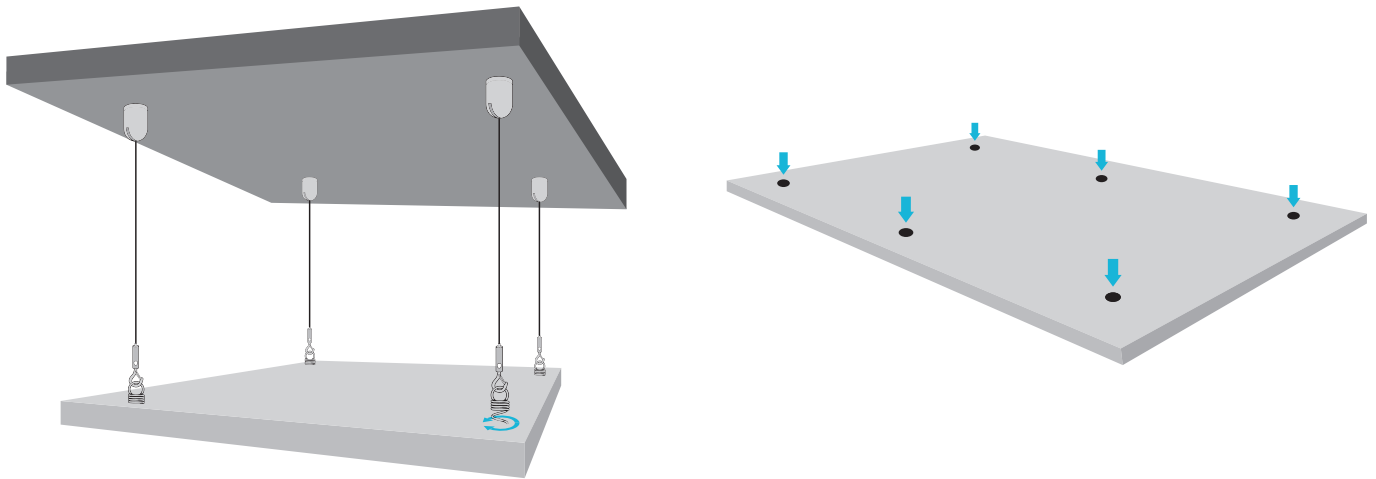


Installation Guide: Suspended Panels

Suspended baffles and rafts are ceiling-mounted acoustic elements designed to control reverberation in open-plan or high-volume spaces. By increasing exposed surface area and improving sound absorption, they deliver highly effective acoustic treatment while maintaining a clean, unobtrusive appearance.

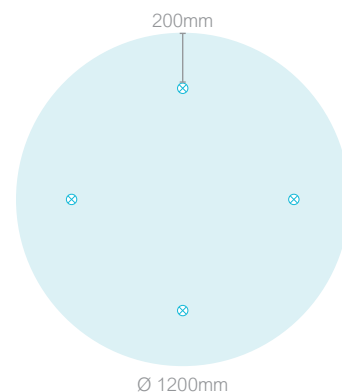
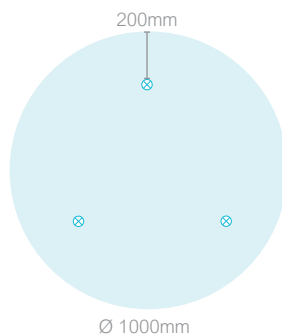
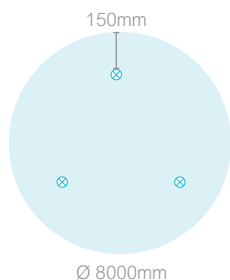
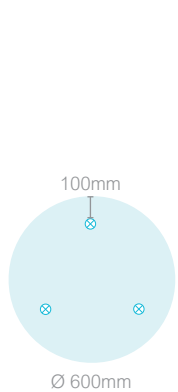
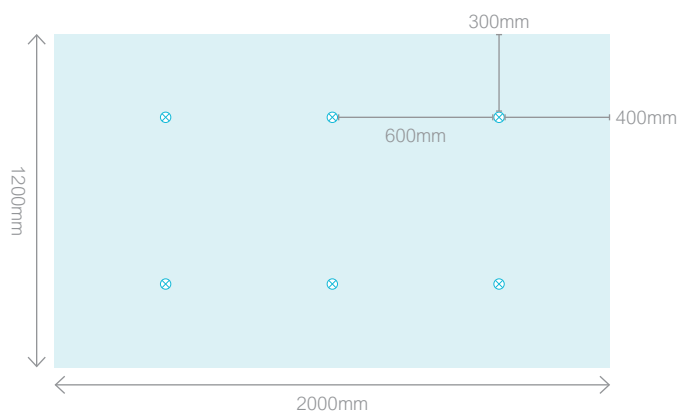
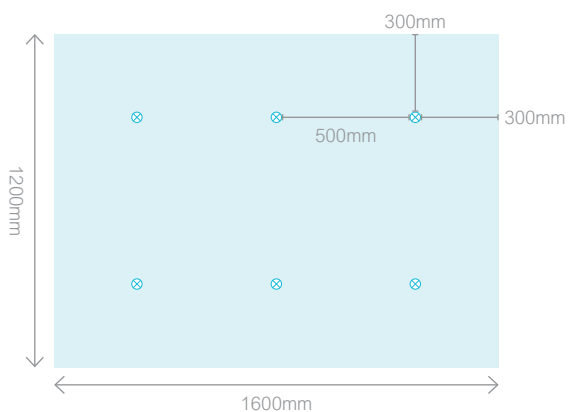
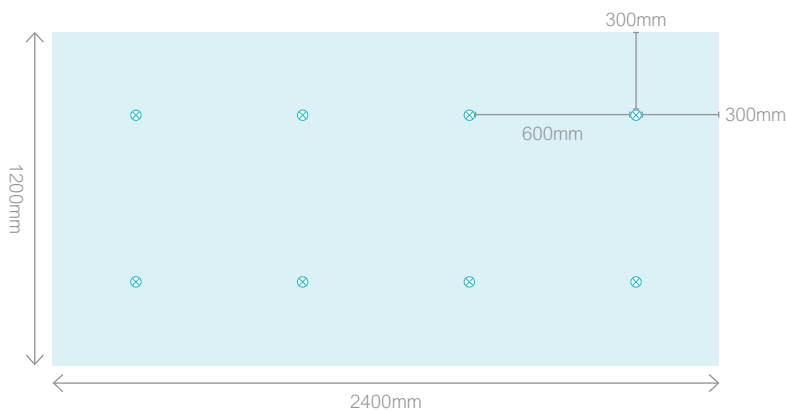
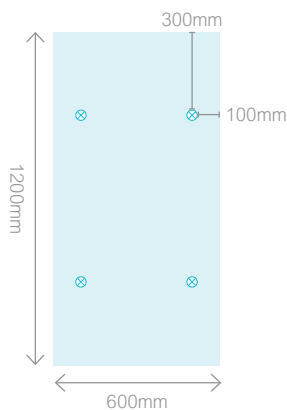
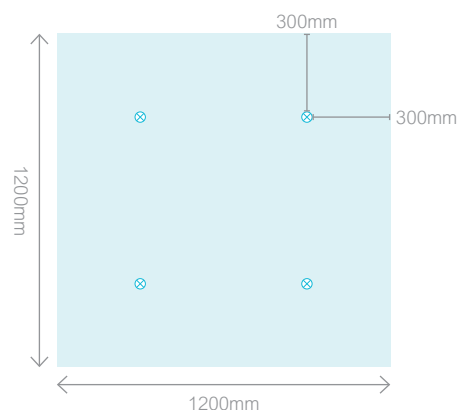
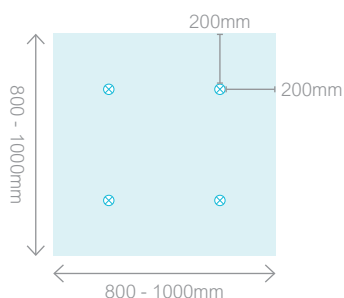
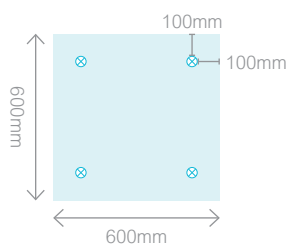
Implementation

The spiral fittings are specifically developed for the suspension of Finch™ panels. The panels are suspended using cables and adjustable suspension hooks.



Positioning of Fasteners

The spiral fittings are specifically developed for the suspension of Finch™ Acoustic Panels.



Key Terms & Conditions

Liability and Product Suitability: Songbird Acoustic accepts no liability for loss, damage, or performance issues arising from circumstances beyond its control, including site conditions, handling, storage, installation, or end use. Product suitability must be independently verified by the specifier, installer, or end user prior to installation.

Inspection and Acceptance: All panels must be inspected upon delivery and before installation for colour variation, defects, or damage. Installation constitutes acceptance that the panels were supplied in satisfactory condition. Any issues reported after installation has commenced will not be covered under warranty.

Installation Responsibility: Panels must be installed strictly in accordance with the manufacturer's published guidelines. The installer is solely responsible for ensuring correct installation; failure to comply may void the warranty.

Colour, Weight, and Materials: Colour samples are representative only and may vary in shade or texture; physical samples are available upon request. All stated weights are approximate.

Adhesive and Moisture: Where specified, adhesive must be applied to 100% of both bonding surfaces, e.g. panel and wall. Panels must be protected from excessive moisture during storage, handling, and installation.

Full terms & conditions can be found here: <https://www.novaacoustics.co.uk/terms-conditions/>

