



category	Sound absorber
description	ProSonic FG acoustic panel
part code	Custom order only



PROSONIC FG ACOUSTIC PANELS are an efficient, durable and cost-effective solution for reducing excessive reverberation in large spaces. They are made in a variety of shapes and sizes up to 2700mm x 1200mm as well as custom sizes on request.

They have a rigid, acoustically-rated fibreglass core with a Class 1 fabric covering as standard, available in a wide selection of colours. Class 0 fabric is available at additional cost.

For panels suspended from the ceiling we supply a fully adjustable wire system with 2m cables and spiral springs.

For wall-mounted panels we supply spike plates and spray adhesive.

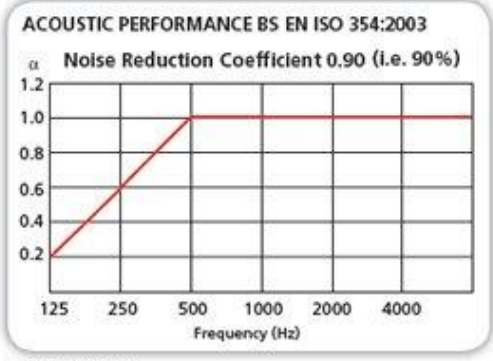
We offer two thickness options: 25mm which is Class C; and 40mm which is Class A. (The 25mm thickness is Class A with a 100mm suspension.)

Benefits

- Class 0 fire rated core
- Wide range of fabric colours available in Class 1 or Class 0 fire rating
- Durable
- Cost-effective

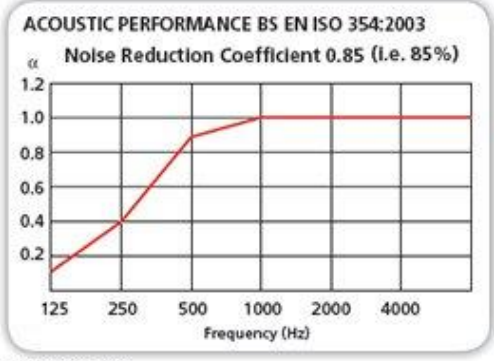
Acoustic Performance

Class A Acoustic Absorber- 40mm thickness



Direct fixed backing
Even higher absorption can be achieved when installed with an air gap

Class C Acoustic Absorber- 25mm thickness



Direct fixed backing
Even higher absorption can be achieved when installed with an air gap

Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Class
40mm direct	0.20	0.60	1.00	1.00	1.00	1.00	0.95	A
25mm direct	0.10	0.40	0.90	1.00	1.00	1.00	0.85	C

Applications

Custom Audio Designs' ProSonic FG acoustic absorption panels are often used to meet BB93 standards for reverberation control within schools.

They are suitable for:

- offices
- schools
- theatres
- auditoriums
- studios
- halls
- churches
- gymnasiums
- BB93 solutions
- teleconferencing suites, etc.



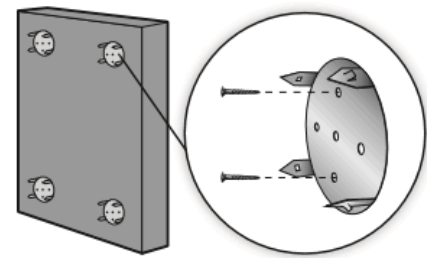
Installation

Wall Spike Installation

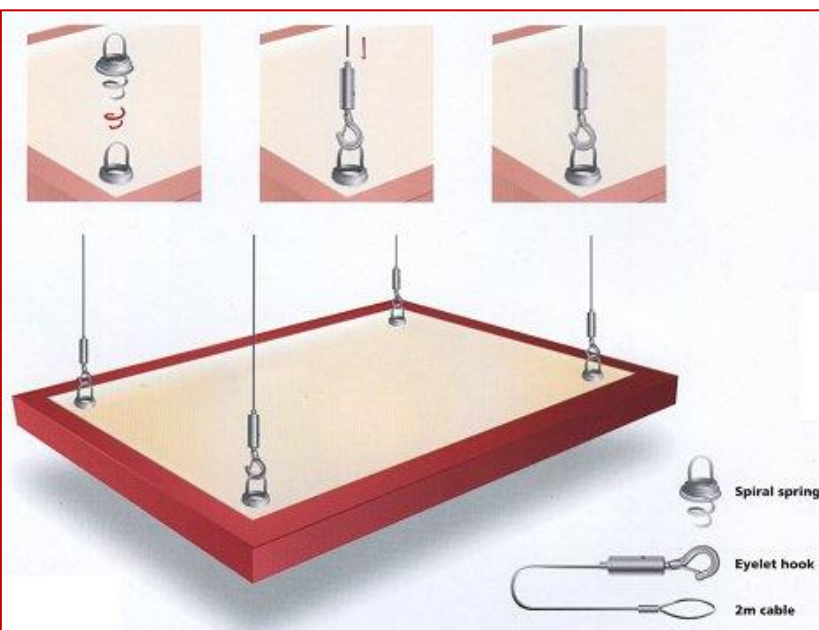
- Metal impaling clips are screwed into the wall.
- Adhesive is applied to the panel and the wall.
- The panel is then offered up against the wall spikes and fixed in place.

This method does not allow easy removal of the panels.

For smaller panels spikes can be used without adhesive so the panels can be removed. However, this does not provide a permanent fix so would not be suitable in areas such as schools.



Fix 'impaling clips' to the wall.



Ceiling Mounting

For ceiling mounting the panels are supplied complete with spiral hooks, and 2m cables with adjustable height clutch for each adjustment.

The installation image to the left is not to scale and should only be used as a guide. The spiral hooks should be 200 – 300mm in from the panel edges (the larger the panels, the further in from the edge the hooks need to be) to prevent uneven load distribution which, over time, could cause the panels to bend.

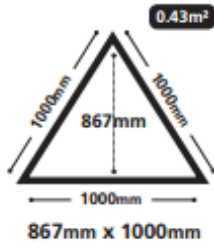
If the suspended wires are too close to the panel edge they will be clearly visible, as well as creating slight sagging. If in doubt contact our technical department.

Technical Specification

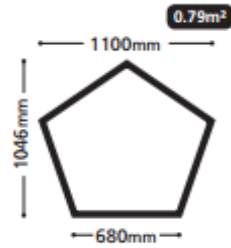
Product	ProSonic Acoustic Shapes
Colour	Select from the range
Weight	3kg/m ²
Thickness	25mm (40mm optional)
Fire rating	Class 0
Finish	Fabric

Absorption Coefficient with 100mm suspension

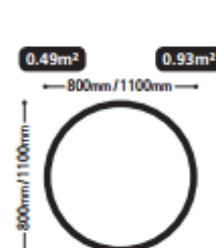
Frequency (Hz)	125	250	500	1k	2k	4k	NRC	Class
Alpha	0.45	0.85	0.95	1.00	1.00	1.00	0.95	A



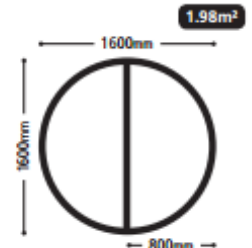
Triangle



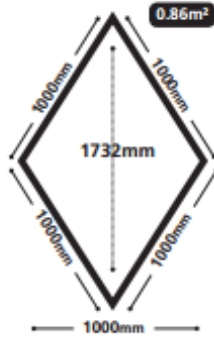
Pentagon



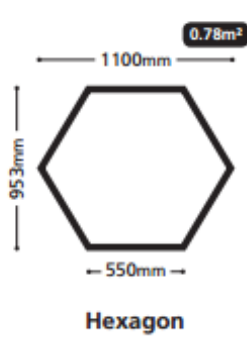
Circle



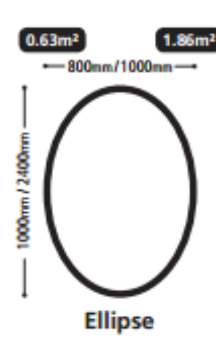
Two-part circle



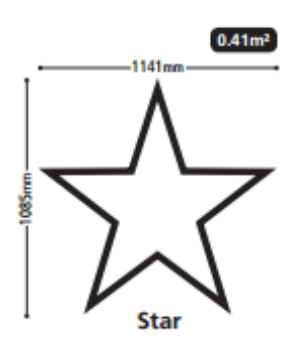
Diamond



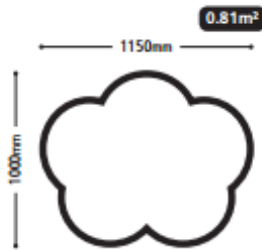
Hexagon



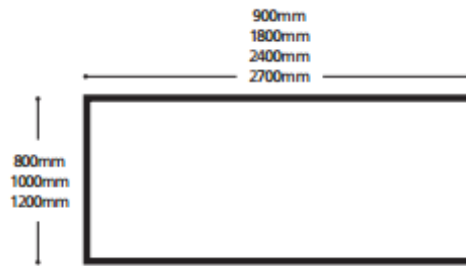
Ellipse



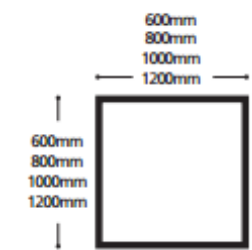
Star



Cloud



Rectangle



Square

(Custom sizes can be manufactured to customer's requirements)



NBS

- Manufacturer: Custom Audio Designs Ltd
 - Web: www.customaudiodesigns.co.uk
 - Tel: +44 (0) 1730 269572
 - Product ref: ProSonic F/G fabric wrapped acoustic absorbing panel.
- Size: [??? x ??? mm]. Any size up to 2700 x 1200mm
- Thickness: [25 or 40 mm]
- Fabric/colour: [Cara EJ _____]
- Mounting: [Surface mount using spikes]
[Surface mount using adhesive]
[Ceiling wires]
- Edge detail: Square

