

Flexisound are decorative acoustic wall and ceiling panels designed to reduce reflected and reverberated noise in a variety of commercial and public applications. The panels are covered in a range of acoustically transparent fabrics that can be selected to suit the aesthetics of the room, and can be digitally printed with a specified image if required.

Available as a floor to ceiling finish or as individually shaped panels that can be used as design features within a room, coupled with the option of an impact resistant facing board, Flexisound offers a versatile range of acoustic solutions.

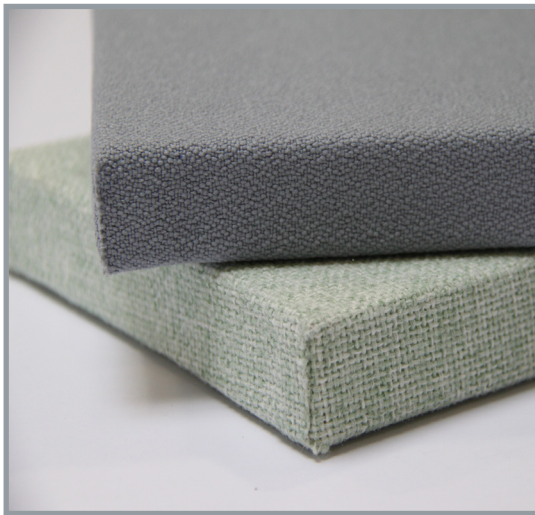
Panels are available with a bonded mineral fibre or acoustic foam core.

Key Features

- Class A to D absorbers
- Lightweight and versatile
- Multiple fixing options
- Bespoke shapes and finishes

Applications

- Public buildings
- Theatres
- Cinemas
- Offices
- Conference centres
- Commercial buildings
- Auditoria
- Recording studios



Flexisound Panels

All Flexisound panels have a high performance, non-combustible bonded mineral fibre or acoustic foam core that provides excellent sound absorption, and are covered in an acoustically transparent fabric, either chosen from the extensive Camira range or any specified fabric, provided this is also high quality and acoustically transparent.

In order to offer maximum design flexibility we can also offer the Camira Fingerprint range as it offers an unrivalled choice of fabric finish and clients have the complete flexibility to choose any image, pattern or logo for the Flexisound panel.

Panels are also available in a variety of sizes and thicknesses to provide the greatest flexibility - details of which can be found overleaf.

Where an impact resistant finish is required, Flexisound high impact panels can be used. The Flexisound panels are bonded to a high impact facing board creating a composite panel that maintains the acoustic integrity, before being covered in acoustically transparent fabric.

For a Floor to Ceiling Finish

Standard Flexisound panels are designed to be fixed to surfaced between a matching covered top and bottom channel, with various trims, also covered in the same fabric to provide a consistent professional floor to ceiling finish.

Flexisound high impact panels can be fixed as above, but can also be fixed directly to walls using a variety of concealed fixing methods including wall clips, adhesive and hook and loop fasteners.

For Decorative Acoustic Finishes

Flexisound panels are manufactured to the specification above but are designed to partially cover walls, either where a full floor to ceiling finish is required or to enhance the aesthetics of the room in addition to a floor to ceiling finish.

Panels can be attached using a variety of concealed fixing methods and can be supplied in a variety of shapes and sizes within certain specifications - please contact us to discuss any specific requirements.

For Ceiling Application

Flexisound can also provide acoustic solutions by fixing panels to ceilings. All shapes and sizes of panel can be fixed or suspended vertically or horizontally using suspension wire, and a framework where necessary.

Dimensions and Weight

	Nominal Thickness (mm)	Length (mm)	Width (mm)	Weight (kg/m ²)
Flexisound (Mineral fibre core)	15	2700	600 and 1220	1.45
	25			2.40
	50			4.80
Flexisound (Acoustic foam core)	25	1250	1250	0.85
	50			1.22
Flexisound High Impact (Mineral fibre core)	18	2700	600 and 1225	2.10
	28			3.05
	53			5.45

Please contact us should you require different sizes or thicknesses.

Acoustic Performance

	Thickness (mm)	Building Regulations Absorber Classification*	Sound Absorption Coefficient**					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Flexisound (Mineral fibre core)	15	C	0.21	0.40	0.65	0.85	0.95	1.00
	25	A	0.30	0.42	0.87	1.00	1.00	1.00
	50	A	0.70	1.00	1.00	1.00	1.00	1.00
Flexisound (Acoustic foam core)	25	C	0.05	0.27	0.68	0.89	1.00	0.94
	50	C	0.23	0.50	1.00	1.00	1.00	1.00
Flexisound High Impact (Mineral fibre core)	18	D	0.06	0.17	0.48	0.89	1.00	1.00
	28	C	0.13	0.42	0.90	1.00	0.98	1.00
	53	A	0.37	0.78	1.00	0.98	0.98	1.00

*tested to BS EN ISO 11654-1997

**tested to BS EN ISO 354