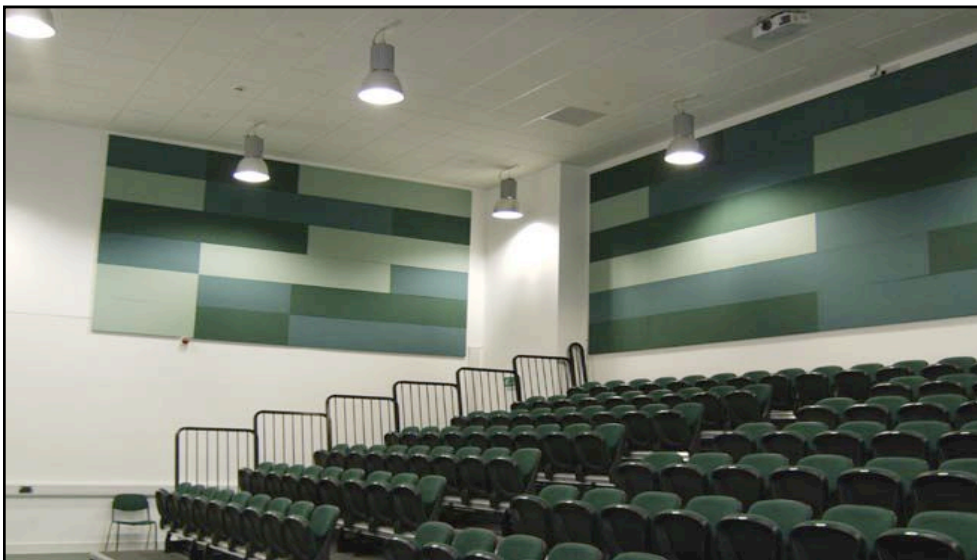


FibreLine

Description

FibreLine is an impact resistant, decorative wall panelling system designed to absorb high levels of reflected noise within a room to create a softer and more comfortable acoustic environment.



FibreLine Liner Panels

Decorative acoustic wall panels manufactured from sound absorbing mineral fibre board bonded to a high impact facing board and covered with a high quality acoustically transparent fabric. Panels are available in standard sizes and thicknesses, and can be cut on site to fit individual wall areas with minimal joints. The panels are fixed between top and bottom 'U' channels, and various trims are available to cover vertical joints, external corners, internal corners and angled directional change corners. Channels and trims are covered in the same fabric as the liner panels to provide an aesthetically pleasing floor-to-ceiling finish.

FibreLine Designer Panels

Designed to partially cover walls for aesthetic effect or where overall wall coverage is not a practicality or a requirement. Panels incorporate an integral rigid edging frame with acoustically transparent fabric wrapped around all four sides. This not only allows for installation as separate stand alone feature panels but also permits the creation of banks of panels in different colours. They are available in a wide range of bespoke sizes and shapes and can be fixed directly to walls using a variety of fixing methods including Z-clips and Velcro.

Fabrics and Colours

Three coloured fabric ranges are available. *Cara* fabrics have a relatively open weave, providing a hessian effect, *Screen* fabrics have a closer weave for a smoother finish and *Lucia* fabrics have a crepe texture. Alternatively, clients can specify their own fabric subject to it being of a suitable quality, having the required acoustic properties and being compatible with the manufacturing process.

Application

FibreLine panels are used extensively in commercial premises, high traffic public areas, call centres, offices, conference centres, reception areas, recording studios and public entertainment facilities e.g. cinemas, theatres, auditoria.

Technical Advice

Highly qualified acoustic engineers are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Operating Temperature

FibreLine panels are suitable for use at normal building temperatures.

Fire Performance

Cara, Screen and Lucia fabric ranges meet the requirements of BS476: Part 7 Class 1 Surface Spread of Flame. Screen fabrics can be chemically treated to provide a Class 'O' fire rating subject to minimum order quantity.

Thermal Conductivity - 0.033 Wm/K @ 10°C.

Building Regulation Classification

Product	Thickness mm	Absorber Classification When tested to BS EN ISO 11654-1997
FibreLine Panels	28	C
	53	A

Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient* Tested to BS EN ISO 354						
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
FibreLine Panels	28	0.06	0.13	0.42	0.90	1.00	0.98	1.00
	53	0.13	0.37	0.78	1.00	0.98	0.98	1.00

* Figures quoted are when panels are fixed directly to a wall

Dimensions and Weight

Product	Thickness mm	** Height mm	Width mm	Approx. Weight kg/m ²
FibreLine Liner Panels	28	2700	1220	3.05
	53	2700	1220	5.45
FibreLine Designer Panels	28	up to 2690	up to 1215	3.05
	53	up to 2690	up to 1215	5.45

** Z-clip fixings are orientated to suit the height of the panel. When ordering please indicate how the panels are to be orientated to ensure fixings are secured in the right plane.

Packaging, Handling and Storage

FibreLine panels are packed vertically on the long edge, covered in bubble wrap and delivered on non-returnable wooden pallets. They can be packed on wooden crates on request.

Panels should be stored inside and under cover in a dry, well-ventilated area protected from dirt and dust. Pallets and crates should be kept level and not double-stacked. Extreme care should be taken when handling to avoid damage.

Care and Maintenance

Panels can be cleaned periodically with a low powered vacuum cleaner. Under no circumstances should they be cleaned using water. Stains can be treated with an appropriate cleaning solution applied in accordance with the manufacturer's instructions.

Availability

Panels are available to order and should be fitted by skilled tradesmen or specialist contractors.

Application and Fixing

See separate guide.

For Further Information

contact
Hodgson & Hodgson
Group Ltd

Crown Business Park
Old Dalby
Melton Mowbray
Leicestershire
LE14 3NQ
Tel: 01664 821810
Fax: 01664 821820

E-mail:
info@hodgsongroup.co.uk

Web Site:
www.acoustic.co.uk