H&H Acoustic Technologies

SoftSound® Liner System

Decorative wall paneling manufactured from a sound absorbing mineral fibre core board faced with a thin, high-density, impact resistant mineral fibre panel. The composite panel is then faced with an acoustically transparent fabric. The Liner panels are fitted within locating channels that are also wrapped in matching high quality fabric and are designed to absorb high levels of reflected noise to create a more comfortable acoustic environment.

Key Features and Benefits

- Absorbs high levels of sound and significantly reducesreverberation
- Wide range of applications
- Design flexibility - Complete floor to ceiling coverage
- High quality decorative finish
- Available in a range of bespoke sizes
- 25 and 50mm thickness
- Simple and versatile installation

SoftSound® Liner System

Applications

- Commercial premises
- High traffic public areas
- Call centres
- Offices and conference centres
- Reception areas
- Education facilities
- Healthcare buildings
- Recording studios
- Theatres, cinemas and auditoria

Colour and Finish

Cara, Lucia and Lucia CS fabric ranges are available as standard in a wide range of colours. Alternatively, SoftSound® Liner Panels can be covered with a client's own choice of fabric, subject to it being of a suitable quality and having the required acoustic properties.

Operating Temperature

Suitable for use at normal building temperatures.

Fire Performance

Cara, Lucia and Lucia CS fabrics meet the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7: 1997 (As Amended). The composite panels have not been fire tested.

Thermal Conductivity

0.033 W/mK @ 10°C

Technical Advice

Highly qualified building and acoustic consultants 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 also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Packaging, Handling and Storage

SoftSound® 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.

Application and Fixing

See separate guide.

SoftSound® Liner panels are secured within perimeter locating channels that are fixed to the substrate. T Trims are then used to cover panel joints.

Care and Maintenance

SoftSound® Liner 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

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

Dimensions and Weight

Thickness mm	Panel Height mm	Panel Width mm
25	up to 2700	up to 1215
50	up to 2700	up to 1215

Acoustic Performance

Thickness mm	Sound Absorption Coefficient (BS EN ISO 354)						α_W	* Absorber Class
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
25	0.15	0.60	0.95	0.95	0.95	1.00	0.90	A
50	0.40	0.95	0.90	0.95	1.00	1.00	0.95	A

* Absorber Classifications tested in accordance with BS EN ISO 11654:1997

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