

Fabric Covered Sound Absorbent Wall Lining

A high specification sound absorbing panel system that can be installed, either as individual feature panels, or as a continuous treatment, covering part or complete wall areas. Wall Absorber acoustic panels are typically used to reduce reverberant noise levels in buildings such as schools, broadcasting and recording studios, sports and community halls, conference facilities, with many other wide and varied applications throughout commerce and industry.

Description

The Wall Absorbers are 25mm thick and manufactured from resin bonded glass fibre, specifically tooled and pressed to afford maximum sound absorption. The panels are fabric covered providing a decorative aesthetically pleasing finish. A wide range of fabric colours is available and samples can be provided on request.

Type A – Tee Joint System

This utilises a white upvc two-part perimeter and tee section arrangement to both mechanically fix the panels and decoratively mask the edges and joints. This system affords a high degree of flexibility during installation as the panels are cut to fit on site.

Type B – Butt Joint System

Essentially similar to Type A but the panels are reinforced and the fabric wrapped around the long edges, thus eliminating the tee joint and creating a neat, crisp butt joint between the panels. Site cutting is therefore generally restricted to panel height and width only when fitting into corners.



Type C Shadow Joint System

The panels have reinforcing with fabric wrapped around all four sides. This allows the use of single feature panels or installation as a continuous arrangement with shadow gaps at the panel joints.

Acoustic Performance

Frequency (Hz)	125	250	500	1k	2k	4k
Absorption Coefficient	0.16	0.50	1.0	1.08	1.07	1.0

Fire Resistance

The glass fibre core of the panel meets the Class 0 requirements of BS476: Part 6: 1981 and Part 7: 1987 whilst the standard fabric and the upvc trims meet Class 1 BS476: Part 7: 1987. The upvc has a maximum softening limit of 60° C.

Weight

The panels weigh approximately 3.0kg/m², which equates to 9.72kg for a standard 1200mm x 2700mm panel.

Maintenance

The fabric surface may be periodically brushed or cleaned with a vacuum cleaner. Stains may be treated with an appropriate non-solvent based cleaning solution but, under no circumstances, must water be used to high pressure clean or soak the absorber.

