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Wall Absorber Panels

A high performance acoustic wall treatment that can be installed as a continuous lining over wall surfaces or as individual feature panels

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Typically used to minimise the effects of undesirable sound reflections and hence lower reverberation time (RT) in various environments such as music practice rooms, recording and broadcast studios, sports and community halls, schools, conference facilities, as well as many other applications throughout commerce and industry.

Description

Maximum size panels are 120cm wide x 270cm high x 25mm thick and are manufactured from resin bonded glass fibre, specially tooled and pressed to afford maximum sound absorption. An acoustically transparent fabric covering provides a decorative, high quality finish and with a panel weight of 3.0kg/m. A wide range of colours can be provided with samples available on request.

Continuous Lining

Panels can be installed using one of two possible methods. The first, Type A, utilises standard size panels faced with fabric to leave untreated edges. The panels are cut to fit on site and secured at the periphery with a white, two part, upvc trim. A white upvc tee joint is used to mask the untreated/site cut vertical panel joints. The second system, Type B, is similar but the fabric is wrapped around the vertical edges during manufacture, thus providing a neat, crisp butt joint, negating the need for a upvc tee, although the panels do need to be bonded to the wall. Site cutting with this alternative is restricted to height adjustment and fitting into corners. Both systems afford a high degree of flexibility during installation.

Individual Panels

Where it is either unnecessary or undesirable to cover entire wall surfaces individual panels, Type C, can be provided, pre-manufactured in any size, up to a maximum of 1200mm x 2700mm, to suit. The panel edges are reinforced and the fabric is wrapped around all four edges. This not only allows installation as separate feature panels but also permits the creation of 'banks' or 'runs' of panels with a shadow joint between. Panels would normally be bonded directly to the wall.

Acoustic Performance

Frequency (Hz)	125	250	500	1k	2k	4k
Sound Absorption Coefficient	0.16	0.50	1.00	1.08	1.07	1.00

In rooms that typically display high RT's, the selection of the correct number of panels for the room size and characteristics, can mean that the above sound absorption coefficients can dramatically reduce the incidence of sound reflections, bringing the RT down to a much more acceptable level.

Fire Resistance

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

Product Maintenance

Under no circumstances should water be used to high pressure clean or saturate/soak the absorbers. Periodic use of a vacuum cleaner, or careful use of a soft brush, is recommended for removal of light dust. Stains can sometimes be treated with a non-solvent based cleaning solution but care should be exercised and if possible tested on a small area first.