

sound absorbers: stretched fabric



Sound Absorbent Wall and Ceiling Treatment

An aesthetically superior high performance acoustic wall treatment that is usually installed as a continuous system, to cover part or complete areas of walls or ceilings, creating a stylish appearance with crisp edges and neat detailing around fixtures. 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, schools, conference facilities, boardrooms, as well as many other applications within the architectural market sector.

Description

Areas of walls or ceilings to be treated are framed, using a unique extruded upvc section, which is mechanically fixed to the substrate. Melamine acoustic foam is then bonded to the substrate within the defined area and acoustic fabric is stretched across this and securely anchored into the sections. The standard system depth is 25mm. Differing depths of substrate and higher levels of sound absorption can be accommodated by mounting the upvc section onto suitable timber grounds.

Fabrics and Colours

Various acoustically transparent fabrics are available in a wide choice of colours, principally from the Camira Fabrics Cara range, with further options from their Screen and Lucia ranges. Colour swatches are available on request.

Product Maintenance

Under no circumstances should water be used to high pressure clean or saturate/soak the sound absorbent treatment. 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.

Acoustic Performance

The system provides the following sound absorption coefficients, based on the standard depth of 25mm, when tested in accordance with BS EN ISO 354.

Frequency (Hz)	125	250	500	1k	2k	4k
Coefficient	0.12	0.34	0.73	0.92	0.94	0.87

Fire Resistance

The melamine acoustic foam meets the requirements of BS476:Part 6:1981 and Part 7:1987 Class 0, whilst the standard fabric meets BS476:Part 7:1987 Class 1. The upvc has a softening limit of 60°C.

