

CP Acoustic Wall Panels



CP Wall Panels: Sheffield Millennium Gallery

Acoustic Performance

The absorption coefficient measured by the Reverberant Room Method is given below. Measured values above 1.0 are not given as these may prove misleading.

Frequency (Hz):	125	250	500	1K	2K	4K	Class
CP25	0.05	0.30	0.70	1.0	1.0	0.95	C
CP40	0.20	0.70	1.0	1.0	1.0	1.0	A
CP50	0.25	0.75	1.0	1.0	1.0	1.0	A
CP Dado	0.20	0.75	1.0	0.95	1.0	0.95	A

The above tests are for unfaced panels installed in the standard fixing system directly against the wall. By installing with a cavity between the panel and the wall the response can be adjusted - further details on request.

Fire Performance

The acoustic core material meets the requirements of BS476 Part 6 and Part 7 and is rated Class O under the Building Regulations. The standard facing of Lucia fabric is Class 1 to BS 476 Part 7. Class O fabrics are also available in the same range of colours.

Impact Resistance

CP Wall Panels are resilient in nature, and have a strong surface. They are designed to withstand normal impacts associated with office and commercial environments.

Resistance to Humidity

CP Wall Panels remain stable at a constant relative humidity of up to 90% at 25 C and at occasional humidity of up to 95% at 40 C.

Application

CP Wall Panels are designed for the acoustic treatment of walls where an attractive and resilient sound absorbing finish is required. Typical applications include offices, meeting rooms, galleries, video conferencing rooms and studios.

Description

CP Wall Panels are manufactured from a high density acoustic glass fibre slab with a resilient resin bonded structure. Panels are covered on the face and all edges with decorative fabric in a wide range of colours from the Lucia range. Panels can also be covered in non-standard fabric to the client's specification. CP Dado Panels are manufactured with a dense rockfibre core with specially reinforced long edges.

Installation

Panels are normally installed with long edges tightly butted together. The panelled area is trimmed with powdercoated aluminium or lacquered timber to prevent damaged to exposed edges. Alternatively where corner protection is not required, panels can be planted directly on the wall using concealed aluminium fixings without the need for a perimeter trim. Typical installation arrangements are illustrated overleaf. CP Dado Panels are a convenient size for installation above dado rails and above desk height

Colours and Finishes

Panels are supplied in a range of 42 standard colours from the Lucia range. Alternatively a wide range of commercially available fabrics can be used to suit specified room decor. Some very heavy or tightly woven fabrics may affect the acoustic performance to a limited extent.

Cleaning and Maintenance

All panels can be brushed or vacuum cleaned in situ. Where heavy soiling has occurred, localised spot removal techniques can be used on most fabrics.

Sizes

CP Wall Panels: 25mm, 40mm and 50mm thick
1200 x 1200 / 1200 x 2700

CP Dado Panels: 50mm thick 1000 x 1500

Special sizes available for all panel types.

CP Dado Panels: Music Studio



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Typical Installation Arrangements

