

## 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	NRC
<b>CP Wall Panel</b>							
25mm thick	0.10	0.30	0.80	1.00	1.00	1.00	0.75
50mm thick	0.35	0.80	1.00	1.00	1.00	1.00	0.95
<b>CP Dado Panel</b>							
50mm thick	0.20	0.75	1.00	0.95	1.00	0.95	0.90

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 'Screen' fabric is Camreflam fire treated to Class O.

### 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 from a wide 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 20 standard colours from the 'Screen' 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. Alternatively, the fabric facing can be replaced if a change in decor is required.

### Sizes

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

**CP Dado Panels:** 50mm thick  
1000 x 1500

CP Dado Panels: Music Studio



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## Typical Installation Arrangements

