

RC Perforated Acoustic Wall Panels

Application

Acousticabs Perforated Acoustic Wall Panels provide a convenient method of lining walls and other vulnerable surfaces with an efficient, yet strong and attractive noise absorber.

RC50MP panels have a special micro-perforated finish giving superior appearance for architectural applications. RC50MP panels are used in schools, offices and lecture theatres.

RC50 panels have a standard perforated finish and are particularly suitable for use behind noisy machines and for lining plant rooms, corridors and work bays.

Description

Acousticabs Perforated Wall Panels consist of a sound absorbing core protected by a robust perforated steel facing. Panels are available in a range of colorcoated or painted finishes as required. Perforations appear dark against the panel surface. The micro-perforations of the RC50MP panels are particularly unobtrusive. Panels are also available with a core of Type IV Acoustifoam for use in areas where non-fibrous materials are specified. These panels are designated with the prefix F.

Installation

Panels are normally installed upright with vertical butt joints and retained by a matching U-section at the base and Z-section at the top. The fixing sections are also used for trim at corners and cutouts. Alternatively, extruded aluminium angles can be used. Installation methods are illustrated overleaf.



RC50MP Panels in lecture theatre

Sizes

Panel	Size
RC50	600 x 1200 x 50 / 300 x 1200 x 50
RC50MP	600 x 1200 x 50 / 300 x 1200 x 50
FRC50	600 x 1200 x 50 / 300 x 1200 x 50
FRC50MP	600 x 1200 x 50 / 300 x 1200 x 50
RC100	600 x 1200 x 100

Other sizes to order.

Acoustic Performance

The noise absorption coefficient for Type RC panels is given below, measured in accordance with ISO 354 (Reverberant Room Method). The performance for type FRC panel is similar.

Frequency (Hz)	125	250	500	1K	2K	4K	Class
Type RC50	0.17	0.62	0.95	0.94	0.95	1.0	A
Type RC100	0.49	0.84	1.0	0.91	0.96	0.89	A



RC50MP Wall Panel



RC50 Wall Panel

INSTALLATION

PERFORATED WALL PANELS TYPE RC50 & RC50/MP

