



Just Sounds Better

DecraSound

Printed Acoustic Wall Panels



Acoustiscreen Polyester Sound Acoustic Wall Panels are designed to provide maximum decorative design flexibility while at the same time significantly improving the sound quality of internal spaces by minimising reverberation. The Acoustiscreen range provides both colour and acoustic control and offers the advantage of creating additional pinable space. Our polyester wall panels are ideal for absorbing the sound in classrooms, commercial premises and multipurpose rooms.

Acoustiscreen polyester wall panels are Manufactured from 75% recycled polyester fibre which is non-toxic, odourless, and has low volatile content. Acoustiscreen printed wall panels have high quality printed imaged on the face of the panel to create a unique aesthetic appearance.

Features & Benefits

- Outstanding quality and superb acoustic performance.
- Create maximum pinable areas within classrooms and board rooms.
- These versatile panels are easy to cut and modify.
- Modernise the look of a room with our unique colour palette.
- Environmentally friendly noise control solution.
- Humidity and moisture resistant.
- Odourless, low-VOC content and non-toxic.
- ASTM E84 Class A, EN 13501-1:2007 +A1:2009 Class B.
- Lightweight (approx. 2.4kg/m² for 12mm thick panel) and easy to install.

Common panel sizes	1200 x 2400	1200 x 600
	2400 x 600	1200 x 1200
Thickness (mm)	Standard is 12 however 25 and 50mm thicknesses can be supplied on request.	
Nominal Weight	2.4kg/m ² at 12mm thick	
Composition	100% PET, 65% recycled content.	
Material Type	Non-woven Fibrous Board	
Environmental	Non-toxic, odourless, low VOC E0 EN717-1:2004	
Typical Applications	Boardrooms and Meeting Rooms, Convention centres/exhibition centres, Sports Centres and Gyms, Multi purpose venues, Schools and University classrooms and lecture theatres, Churches and Halls and Sound recording studios.	



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The trend in modern commercial buildings is to include hard surfaces on ceilings and walls. These hard surfaces can cause problems with reflected sound. Acoustiscreen wall panels enable you to simply utilise these interior spaces because they help reduce unacceptably high noise levels may be and reverberation.



Acoustic Performance

By incorporating Acoustiscreen Wall Panels as either a new wall lining or by direct fixing them to existing walls, the reduction in unwanted noise can be quite significant. At some frequencies, up to 100% of sound can be absorbed by utilising Acoustiscreen Panels of appropriate thickness and/or by installing the panels with an air space behind them. Acoustiscreen Panels have been tested in N.A.T.A. registered laboratories in a reverberation chamber. Low frequency absorption can be increased by installing the panels with an air gap behind them, or by increasing the thickness of the panel.

Sound Absorption Coefficients Reverberation room method (Hz)							
Thickness	125	250	500	1000	2000	4000	N.R.C.
25mm	0.15	0.55	1.00	0.95	0.95	0.95	0.85
50mm	0.26	0.71	1.03	1.11	1.09	1.03	1.00

Acoustiscreen Panels have been tested in a reverberation chamber test to AS 1045 –1988 “Measurement of Sound Absorption in a Reverberation Chamber” (based on ISO354).

Decra Acoustic Products USA
Suite 112 101 North Tryon Street
Charlotte, NC 28246
Web: www.decra-acoustic.com
p: 980-434-2174 mail: sales@decra-acoustic.com