

PrintSorb Acoustic Panels



The combination of design and good acoustics is often desired but not always easy to achieve. In open plan areas such as restaurants, museums, offices and conference rooms, the space can become very noisy. This is because the wall and ceiling surfaces reflect the sound and allow it to bounce back into the room hence creating echo and reverberation. The situation becomes worse as people begin to raise their voices in order to be heard.

Design

Adding porous materials to the room reduces the level of reflected sound thereby dampening the echo and reverberation in the room and making it easier to communicate. The problem here exists when trying to find an acoustic panel which is going to carry out its role effectively but also fit in with the aesthetics of the room or building.

PrintSorb acoustic panels have been created to fill this requirement and cleverly disguise acoustic panelling as artwork. This superb solution to echo and reverberation is great for areas where aesthetics is high priority.

Materials

PrintSorb acoustic panels are made from a highly absorptive semi rigid fibreglass core with a digitally printed fabric face. The panel can either be printed with an image chosen from our library or from a customer's own image, this could be a company logo or even a

family photograph, the possibilities are endless.

Together the materials create a very attractive acoustic absorber which can add the finishing touches both aesthetically and acoustically to a wide range of areas including restaurants, museums, galleries, libraries, conference rooms, offices, dining rooms, cinemas, exhibition stands, music venues, shopping malls, airports, banks, classrooms, reception areas, retail environments and living spaces.

Printsorb is available in four standard sizes however we can manufacture the panels to customer requirements to fit almost any space. The smallest panel we offer is 600 x 600mm and the largest we can manufacture is 2700 x 1200mm. All panels are 25mm thick. Sizes can be mixed and matched to create different wall or ceiling designs or to cover larger areas however minimum order is two panels and one square metre.

Dimensions: Standard sizes:

- 600 x 600mm
- 900 x 900mm
- 1200 x 900mm
- 1200 x 1200mm

Weight: The panels weigh approximately 3Kg/m²

Maintenance: The surface of the panel can be vacuumed to remove surface dust. Although the printed panel surface can be cleaned with a damp cloth, it is not recommended to clean small areas of the panel with any liquids, even water as it may make the stain or mark cover an even larger area and be quite noticeable once it is dry.

Flammability: The core of the panel meets BS 476: Part 6: Class 0 and the facing of the panel meet the requirements of BS 5867: Part 2: 1980 Type B performance.

Acoustic Performance:

Printsorb Typical Absorption Co-efficient's							
Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Absorption	0.10	0.37	0.76	0.97	1.04	1.05	0.78

Digital Printing

The facing of the panel is 100% polyester, this is used for its acoustic transparency and high digital printing quality.

The design which is printed can be either selected from our image library or it can be supplied by the customer themselves. Any images which are chosen for printing must be:

Good quality (a print resolution of approximately 360 DPI is recommended). The quality of the final print will depend on the quality of the original photo.

The image is wrapped around the edge of the panel and fixed to the back to create a neat finish therefore it is best to either choose an image which is central and has a margin around it or to choose an image which would look acceptable if it was cut off from the face of the panel.

What can you send us?

Any good quality image can be digitally printed onto Printsorba acoustic panels. The image can be anything from a family photo a drawing or even painting (maybe a child's first painting). Holiday snaps a company logo or even a wedding picture.

Installation:

They are simply installed using our spray adhesive which makes installation very quick and easy. For full details of how to install these panels please refer to our fixing guide.

