

SportsPanel

Description

SportsPanel is an impact resistant acoustic ceiling panel manufactured from high density, moisture resistant mineral wool with a decorative glass cloth fabric on the front face and a non-woven glass tissue on the reverse. The square edges are sealed to prevent dust migration. **SportsPanel** will not sustain bacteria, mould or fungus.

Data Sheet
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Panels are designed to absorb high levels of reverberant noise and are primarily fixed directly to the underside of a roof. The front face of **SportsPanel** is tough enough to withstand intermittent impact from spherical equipment such as sports balls. Alternatively, **SportsPanel** can be installed in a conventional suspended ceiling grid system and secured with clips, although prolonged and sustained impact could result in the panels being dislodged if not adequately secured.

SportsPanel's thermal insulation properties can make a significant contribution to the thermal resistance of a building where there is a requirement to comply with Building Regulations Part L for Energy Conservation.

Colour - White

Light Reflectance - Approx 80%

Application

SportsPanel is suitable for use in educational buildings, village halls, youth clubs, playrooms, sports halls, gyms, leisure facilities, changing rooms, test laboratories etc.

Technical Advice

Highly qualified building and acoustic consultants are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Impact Resistance

SportsPanel achieves Class 1A when tested in accordance with BS EN 13964:2004, suspended ceilings - Requirements and Test Methods, Annex D.

The surface of the panels will withstand a ball impact speed of 16m/s when fixed directly to the underside of a roof and when installed in a suspended ceiling grid system.

When installing in a suspended ceiling grid system the panels should be securely retained to prevent them from being dislodged.

Operating Temperature

SportsPanel is suitable for use at normal building temperatures.

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Fire Performance

SportsPanel achieves Euroclass Reaction to Fire Class A2-s1,do when tested in accordance with BS EN 13501-1

Thermal Conductivity

0.036 Wm/K @ 10°C

Building Regulation Classification

SportsPanel	Absorber Classification (When tested to BS EN ISO 11654-1997)	
	25mm thick	40mm thick
Fixed directly to substrate	A	A
50mm void behind panels	A	A
100mm void behind panels	A	A
200mm void behind panels	A	A

Acoustic Performance

SportsPanel Thickness mm	Depth of Void Behind Panels mm	Sound Absorption Coefficient (Tested to BS EN ISO 354)						α_w
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
25 and 40	Fixed directly to substrate	0.20	0.80	1.00	0.90	0.90	0.85	0.90
	With 50mm void behind	0.20	0.80	1.00	0.90	0.90	0.85	0.90
	With 100mm void behind	0.35	0.90	0.95	0.85	0.90	0.85	0.90
	With 200mm void behind	0.35	0.75	0.90	0.85	0.90	0.85	0.90

Dimensions and Weight

Thickness mm	Length mm	Width mm	No of Panels per Carton	m ² per Carton	Nominal Weight kg/m ²	
					Panel	Panel & Grid
25	600	600	20	7.20	2.5	4
	1200	600	10	7.20	2.5	4
	1200	1200	5	7.20	2.5	4
40	600	600	12	4.32	3.2	5
	1200	600	6	4.32	3.2	5
	1200	1200	4	5.76	3.2	5

Moisture Resistance

SportsPanel is suitable for use in areas with 90% relative humidity at 25°C and can withstand 95% relative humidity at 40°C for short periods.

Availability

SportsPanel is generally available from stock.

Handling and Storage

SportsPanel is packed in cardboard cartons and should be stored inside in a dry, well-ventilated area protected from dirt and dust. Cartons should be stored flat, off the ground and no more than six high. DO NOT stack on end. Extreme care should be taken when handling to avoid damage.

Application and Fixing

SportsPanel is designed to be fixed directly to the underside of a roof and can be secured using a combination of conventional exposed suspended ceiling grid components. Further details available on request.

SportsPanel can also be installed in a standard T24 exposed suspended ceiling grid system. If panels are likely to be subjected to prolonged and sustained impact, they should be securely retained to reduce the risk of panels being dislodged from the grid.

SportsPanel is NOT designed to carry the weight of recessed light fittings and therefore lighting should be supported by other means.

The minimum distance SportsPanel can be effectively installed below an existing substrate is as detailed below:

Panel Thickness mm	Without Access Facility mm	With Access Facility mm
25	52	80
40	52	100

Care and Maintenance

SportsPanel can be cleaned by vacuuming the surface using a soft brush attachment or gently wiping the face using a damp cloth with mild detergent.

For Further Information

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