

CleanSound

Description

CleanSound is a decorative, sound absorbing, non-combustible ceiling panel manufactured from medium 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 edges are sealed to prevent dust migration. **CleanSound** will not sustain bacteria or fungus.



Panels are designed for use in areas requiring a high level of sound absorption and can be fixed directly to both horizontal and vertical surfaces, subject to the receiving substrate being in suitably good condition. Alternatively, **CleanSound** can be installed in a standard exposed suspended ceiling grid system and secured with clips.

CleanSound's thermal insulation properties can make a significant contribution to the thermal resistance of a building when used as part of the overall roof construction.

Colour - White as standard
Black and other colours are available subject to enquiry and minimum order quantities

Light Reflectance - White - Approx 83%
Black - Approx 9%

Application

CleanSound is suitable for use in commercial buildings such as offices, foyers and reception areas, public buildings such as libraries, court rooms, cinemas, theatres, schools and medical facilities.

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.

Moisture Resistance

CleanSound is suitable for use in areas with 95% relative humidity at 25°C and will withstand 100% humidity at 40°C for short periods.

Operating Temperature

CleanSound is suitable for use at normal building temperatures.

Data Sheet
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Fire Performance

CleanSound achieves a Euroclass Reaction to Fire Class A1 (non-combustible) when tested in accordance with BS EN 13501-1.

Thermal Conductivity

- 0.035 Wm/K @ 10°C

Building Regulation Classification

CleanSound	Absorber Classification (When tested to BS EN ISO 11654-1997)	
	25mm thick	40mm thick
Fixed directly to substrate	C	A
50mm void behind panels	C	A
200mm void behind panels	A	A
400mm void behind panels	B	A

Acoustic Performance

CleanSound 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	Fixed directly to substrate	0.05	0.30	0.85	1.00	1.00	1.00	0.60
	With 50mm void behind	0.05	0.30	0.85	1.00	1.00	1.00	0.60
	With 200mm void behind	0.30	0.75	1.00	0.85	0.95	1.00	0.90
	With 400mm void behind	0.30	0.80	0.70	0.90	0.95	1.00	0.80
40	Fixed directly to substrate	0.15	0.60	1.00	1.00	1.00	1.00	0.90
	With 50mm void behind	0.15	0.60	1.00	1.00	1.00	1.00	0.90
	With 200mm void behind	0.30	0.90	1.00	1.00	1.00	1.00	1.00
	With 400mm void behind	0.35	0.90	0.90	1.00	1.00	1.00	1.00

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	1.75	3.5
	1200	600	10	7.20	1.75	3.5
	1200	1200	5	7.20	1.75	3.5
40	600	600	12	4.32	2.8	4
	1200	600	6	4.32	2.8	4
	1200	1200	4	5.76	2.8	4

Availability

CleanSound is generally available to order.

Handling and Storage

CleanSound 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

CleanSound panels are designed for use in a standard, non-corrosive T24 exposed ceiling grid system.

Alternatively, **CleanSound** can be fixed directly to the underside of a roof or to a wall using an appropriate adhesive applied in accordance with the manufacturer's instructions.

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

Care and Maintenance

CleanSound 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

contact

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