



Warm Sound

The Product

This decorative, sound absorbing ceiling panel is manufactured from non-combustible medium density and moisture-resistant mineral wool. It features an attractive glass cloth fabric on the front face and a non-woven glass tissue on the reverse. When used as part of the overall roof construction Warm Sound's thermal insulation characteristics can also make a significant contribution to the thermal resistance of a ceiling.

Warm Sound panels are designed for use where a high level of sound absorption is required. They can be fixed directly to any vertical or horizontal surfaces, which are in suitably good condition, or can be installed in a standard exposed suspended ceiling grid system and secured with clips. All panel edges are sealed to prevent dust migration and the panels will not sustain bacteria or fungus.

Applications

- Offices
- Foyers
- Reception areas
- Libraries
- Cinemas
- Theatres
- Schools
- Court rooms
- Medical premises

Colours and Finishes

White is the standard Warm Sound panel colour. Other colours, including black, are available (subject to order and minimum quantities).

Light Reflectance - White - Approx 83%

Black - Approx 9%

Technical Advice

Our qualified and experienced consultants can provide architects, consultants and contractors with expert advice on all aspects of noise control. They can also undertake noise surveys and provide details of anticipated reverberation time improvements to help ensure that the optimum design specifications and acoustic performance are achieved.



Operating Temperature

Warm Sound panels are suitable for normal building temperatures.

Fire performance

Warm Sound panels achieve 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

Moisture Resistance

Warm Sound panels can be used in areas with 95% relative humidity at 25°C. They will also withstand 100% humidity at 40°C for short periods.

Availability

Warm Sound panels are available to order.

Handling and Storage

Warm Sound panels are delivered packed in cardboard cartons. They should be stored inside in a dry, well ventilated area and protected from dirt and dust. Cartons should be stored flat, off the ground and stacked six high at maximum. **Under no circumstances** should they be stacked on end. They should be handled with extreme care.

APPLICATIONS

- Offices • Meeting Rooms • Hotels • Conference Centres
- Leisure Centres • Schools • Restaurants • Showrooms



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Acoustic Performance

Thickness mm	Depth of void behind panels mm	Sound Absorption Coefficient (tested to BS EN ISO 354)						α_w
		125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	
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	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

Application and Fixing

The Warm Sound panels are intended for use in a standard, non-corrosive T24 exposed ceiling grid system. They can also be fixed directly to a wall, or to the underside of a roof, by the use of an appropriate adhesive which is applied in accordance with the manufacturer's instructions. As the weight of recessed light fittings cannot be supported by Warm Sound, other means of support must be used.

Care and Maintenance

The surface of the Warm Sound panels can be vacuumed using a soft brush attachment, or gently wiped using a damp cloth and a mild detergent.

Building Regulation Classification

Warm Sound	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

**For further details, call John C Wilkins
Acoustic Installations on 01204 548400.**

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JOHN C WILKINS ACOUSTIC SUPPLIES

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