



Absorba Sound

The Product

Highly effective and non-combustible Absorba Sound is a sound absorbing ceiling panel manufactured from moisture-resistant medium density mineral wool. It features a pre-painted tissue front face and a non-woven glass tissue on the reverse. It will not sustain bacteria, mold or fungus.

Absorba Sound panels offer a practical acoustic solution for use in areas requiring very high levels of acoustic absorption. They can be bonded or mechanically fixed directly to horizontal and vertical surfaces, subject to the condition of substrate. Alternatively, Absorba Sound panels can be secured with clips into an exposed suspended ceiling grid system.

When used as part of the overall roof construction their thermal insulation properties can contribute significantly to the thermal resistance of a building.

Applications

- Workshops
- Test laboratories
- Machine halls
- Schools
- Cinemas
- Village halls
- Theatres

Colours and Finishes

White is offered as standard.

Black and natural are available subject to minimum order quantities.

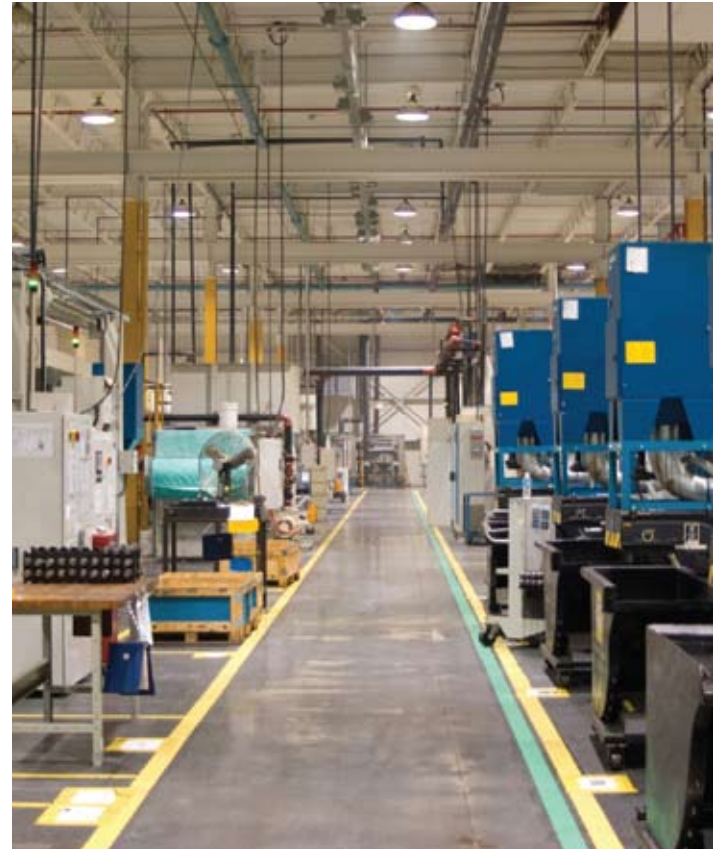
Light Reflectance - White - Approx 80%

Black - Approx 9%

Natural - Approx 60%

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

Absorba Sound is suitable for use at normal building temperatures.

Fire performance

Absorba Sound 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

Moisture Resistance

Absorba Sound panels are suitable for use in areas with 90% relative humidity at 25°C.

Availability

Absorba Sound is available to order.

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	
50	Fixed directly to substrate	0.20	0.65	1.00	1.00	1.00	1.00	0.90
	With 200mm void behind	0.50	0.85	1.00	1.00	1.00	1.00	1.00
	With 500mm void behind	0.80	0.90	0.90	1.00	1.00	1.00	1.00
100	Fixed directly to substrate	0.50	1.00	1.00	1.00	1.00	1.00	1.00
	With 200mm void behind	0.50	0.85	1.00	1.00	1.00	1.00	1.00
	With 500mm void behind	0.80	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
50	1200	600	8	5.76	2.5	4
	1200	1200	8	11.52	2.5	4
100	1200	600	4	2.88	5.0	6.5
	1200	1200	4	5.76	5.0	6.5

Handling and Storage

Absorba Sound panels are delivered packed in cardboard cartons. These should be stored in a dry, well-ventilated area and protected from dirt and dust. The cartons should be stored flat, off the ground and no more than six high. They should NOT be stacked on end. They should be handled with extreme care.

Application and Fixing

Absorba Sound panels can be mechanically fixed directly to the underside of a roof or wall.

Four big headed fastenings should be used per 1200mm x 600mm panel, one in each corner, spaced 200mm in from the short edge and 150mm in from the long edge.

Absorba Sound panels can be used in a standard, non-corrosive T24 exposed ceiling grid system. They are NOT designed to carry the weight of recessed light fittings which should therefore be supported by other means.

Care and Maintenance

The panels can be vacuumed using a soft brush attachment, or gently wiped with a damp cloth and mild detergent.

Building Regulation Classification

Absorba Sound	Absorber Classification (When tested to BS EN ISO 11654-1997)	
	50mm thick	100mm thick
Fixed directly to substrate	A	A
200mm void behind panels	A	A
500mm void behind panels	A	A

Installation

For expert installation, we offer our own installation service anywhere in the UK. Your installation will be performed to the highest standards by skilled and experienced tradesmen. These experts understand the importance of fitting acoustic materials absolutely perfectly and they have the specialist skills to ensure your John C Wilkins materials are fitted correctly every time. As they are both experienced and skilled, they are also able to provide a highly efficient and extremely cost-effective service.

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

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