



Suspended Absorbers

Suspended absorbers are manufactured from an open cell MelaTech™ foam or medium density glass fibre core totally enclosed in glass cloth. They are designed to be hung in vertical rows from ceilings to reduce reverberant noise in large open plan spaces.

Key Features and Benefits

- Suspended vertically from ceilings
- Reduces high levels of reverberant noise
- Manufactured in MelaTech™ foam or glass fibre
- MelaTech™ foam absorbers can be manufactured in 3D shapes
- Glass fibre absorbers suitable for hygienic applications
- Class 1 and Class O fire resistance
- 75mm thicknesses
- Light weight yet robust
- Simple installation



Suspended Absorbers

Applications

MelaTech™ Foam Absorbers:

- Call centres and open plan offices
- Leisure centres, sports halls and ice rinks
- Children's nurseries
- Galleries
- Foyers

Glass Fibre Absorbers:

- Manufacturing plants
- Engineering workshops
- Food halls
- Bottling halls

Colour and Finish

MelaTech™ Foam Absorbers:

Natural white, or spray painted to any British Standard or RAL colour, subject to minimum order quantities. Further details available on request.

Glass Fibre Absorbers:

Encapsulated in black glass cloth or client's own fabric subject to it having the required acoustic properties. Further details available on request.

Operating Temperature

Suitable for use at normal building temperatures.

Dimensions and Weight

Suspended Absorbers	Thickness mm	Length mm	Width mm	Weight per Absorber kg/m ²
* MelaTech™	75	1200	600	0.65
Glass Fibre	75	1200	600	1.85

Note: Other sizes and thicknesses are available subject to minimum order quantities.

* Dimensional changes may occur in MelaTech™ foam dependant on the ambient relative humidity. Allowances should therefore be made to overall sizes based on the anticipated moisture content of the absorbers when in-situ.

Acoustic Performance

When suspended vertically in continuous rows at 600mm spacings:

Thickness mm	Suspended Absorbers	Sound Absorption Coefficient (BS EN ISO 354)						* Absorber Class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
75	MelaTech™	0.40	0.55	0.75	0.80	0.80	0.85	B

* Absorber Classifications tested in accordance with BS EN ISO 11654:1997

Fire Performance

Natural white MelaTech™ Foam Absorbers comply with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987. Spray painted MelaTech™ Foam Absorbers do not have a fire rating.

Glass Fibre Absorbers encapsulated in black glass cloth meet the requirements of BS476: Part 7: Class 1 surface spread of flame.

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.

Application and Fixing

MelaTech™ Foam Absorbers are supplied with corkscrew hangers for fixing direct to the underside of the roof. Glass Fibre Absorbers are supplied with a 50mm semi-rigid top-flap incorporating two eyelets for hanging from the underside of the roof.

Availability

Suspended Absorbers are available to order.

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