

Suspended Absorbers

Description

Suspended Absorbers are manufactured from open cell melamine foam or glass fibre. Plain melamine foam absorbers are supplied with corkscrew hangers, whilst glass fibre absorbers are encapsulated in white Tedlar® PVF film or glass cloth with a 50mm semi-rigid top-flap, fitted with two eyelets for fixing.

They are designed to reduce reverberant noise in large areas. Reflected sound waves from roofs and walls are absorbed by both sides of the Suspended Absorbers resulting in noise reductions, up to half the measured reverberant sound level.

Suspended Absorbers can also be enclosed in materials suitable for use in hygienic applications subject to minimum order requirements.



Colour

White

Melamine foam absorbers can be spray painted to any RAL colour. Further details available on request.

Design

Highly qualified technical engineers are available to work with clients and designers to calculate the volume of Suspended Absorbers required to achieve specified performance requirements and to discuss spacings and fixing methods.

Application

Melamine foam Suspended Absorbers are used extensively in swimming pools, sports halls, ice rinks, leisure centres, children's nurseries, galleries and foyers.

Glass fibre Suspended Absorbers tend to be used for more industrial applications e.g. engineering workshops, food factories, bottling halls, manufacturing plants etc.

Temperature

Suspended Absorbers are suitable for use at normal building temperatures.

Fire Performance

Melamine foam Suspended Absorbers comply with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987.

Glass fibre Suspended Absorbers encapsulated in glass cloth are non-combustible, when tested in accordance with BS476: Part 4: 1970 (1984).

Acoustic Performance

When suspended vertically in continuous rows at 600mm spacings, the sound absorption coefficients are as follows:

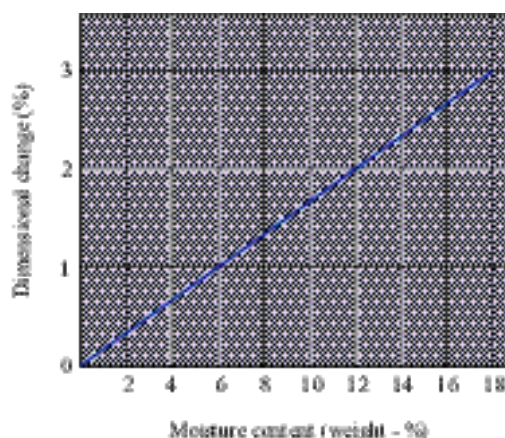
Product	Thickness mm	Sound Absorption Coefficient dB					
		100 Hz	200 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Melamine foam Suspended Absorbers	75	0.15	0.45	0.80	0.85	0.81	0.67
Glassfibre Suspended Absorbers encapsulated in Tedlar®	75	0.35	0.65	0.85	0.75	0.70	0.63
Glassfibre Suspended Absorbers encapsulated in Glass Cloth	75	0.20	0.55	0.90	0.95	0.95	0.95

Dimensions and Weight

Product	Thickness mm	Length mm	Width mm	Weight per absorber kg
*Melamine foam	75	1200	600	0.65
Glass fibre	75	1200	600	1.85

Note: Other sizes and thicknesses are available subject to minimum order quantities. Further details available on request.

*Dimensional changes may occur in Melamine foam Suspended Absorbers dependant on the relative humidity of the surrounding air. Allowances should therefore be made to overall sizes based on the anticipated moisture content of the Melamine foam Suspended Absorbers when in-situ.



Availability

Suspended Absorbers can be manufactured in a wide range of sizes and with a variety of surface finishes to meet specified performance requirements subject to minimum order quantity. Further details available on request.

Melamine foam Suspended Absorbers can be manufactured in three-dimensional shapes and spray-painted to any RAL colour subject to minimum order quantity. Further details available on request.

WILHAMS

Wilhams Insulation Far East Sdn Bhd (340166M)
 15 & 17 Jalan U5/23, Seksyen U5,
 Mah Sing Integrated Industrial Park
 40150 Shah Alam, Selangor Darul Ehsan, Malaysia
 Tel: 603-7846 6728 Fax: 603-7846 6540
 E-mail: wife@tm.net.my