SOUND CONTROL SERVICES

Acoustic Baffles

Our Acoustic Baffles are supplied with cables and fixings and provide an aesthetic solution for noise reverberation problems. The vertically suspended Baffles are coated in an acoustic fabric and have a highly absorbant core, they are an ideal choice when lights and services would otherwise be an issue.

The fabric provides a durable fade resistant finish and combined with the core they have outstanding acoustic properties. They can be purchased directly from our website in two standard sizes or we can make any size and shape to order. They are designed to be hung in vertical rows from the underside of both architectural and industrial situations to reduce high levels of reverberant noise in all open areas. The increased surface area will provide a highly effective sound energy absorber. They can absorb 100% of noise between 500-4k Hz

Product Summary

AVAILABILITY
Suspended absorbers have a sealed fibre core are available to purchase directly from our website from our standard colour range. If a bespoke size or shape is required please contact our sales office, we have manufactured a wide range of sizes, colours and shapes over the years, and will be happy to help with any request.

COLOUR AND FINISH
The fabric covering is pre-sewn and fitted over the fibre core to provide a snug fitting near seamless finish and is unique to any other baffle as no adhesive
is used.

Baffles are also available in Melamine foam with no fabric, please contact us if these are required.

FIRE PERFORMANCE
Acoustic Baffles are covered with fabric that meets the requirements of BS476: Part 7 Class 1 Surface Spread of Flame. We also use fabrics that are chemically treated to provide a Class '0' fire rating subject to minimum order quantity.

Melamine foam Baffles will comply with Class '0' requirements of the Building Regulations, when tested to BS 476: Part 6: 1981 and Part 7: 1987.

Dimensions and Weight

Suspended Absorders	Thickness (mm)	Length (mm)	Height (mm)	Nominal Weight of Baffle (Kg)
Melamine Foam Absorders	75	1200	600	0.65
SoftTone Baffles	40	1200	600	3.0

Dimensional changes may occur in the foam variant; this is 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 absorbers when in situ.

Note: other sizes are available, please see our website for further information.

Care & Maintenance

APPLICATION AND FIXING
Corkscrew fixings and suspension cables are supplied with all our Baffles along with all required fixings.

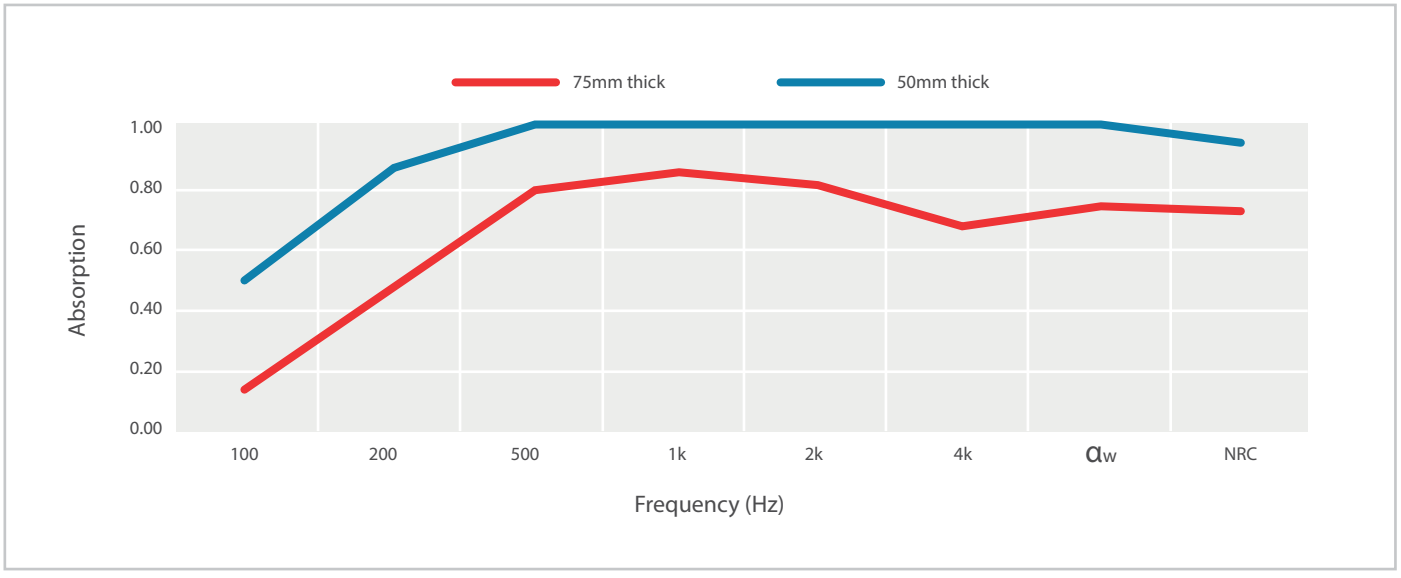
DESIGN
Our qualified and experienced consultants can provide architects, consultants and contractors with expert advice on all aspects of noise control. They can undertake noise surveys and provide details of anticipated reverberation time improvements to help ensure that the optimum design specifications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

OPERATING TEMPERATURE
Acoustic Baffles are suitable for use at normal building temperatures.

Acoustic Performance

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

Product Type	Sound Absorption Coefficient (tested to BS EN ISO 354) Octove Bands (Hz)									Building Regulations Absorber Classification When tested to BS EN ISO 11654-1997
	Thickness (mm)	100	200	500	1k	2k	4k	α_w	NRC	
Foam Baffle	75	0.15	0.45	0.80	0.85	0.81	0.67	0.75	0.73	A
Acoustic Baffle	40	0.65	0.85	1.00	1.00	1.00	1.00	1.00	0.96	A



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