

TECHNICAL DATA SHEET

SUPERPHON[®] BAFFLES

PRODUCT DESCRIPTION

The Beauty Of The SuperPhon[®] Range

The SuperPhon[®] range provides an effective means of controlling reverberation and reflected sound in rooms. It provides an ideal solution for environments and workplaces where noise can be an issue. For example, SuperPhon[®] is used widely in recording studios, sports halls, schools and call centres.

BENEFITS

Design flexibility

SuperPhon[®] Baffles are available in standard sizes and thicknesses. Bespoke panels or absorbers of a specific size, thickness, shape or fabric facing can be readily manufactured. As well as the broad offering of standard fabric colours, panels can be colour matched to any chosen fabric.

- Provides up to Class A Acoustic performance
- 88 fabrics available over two ranges
- Wipe clean finish available
- Bespoke manufacture
- Complete range of fixing systems
- Full technical and on-site support



TECHNICAL INFORMATION

SuperPhon [®] Baffles	
Thickness	25mm and 50mm Other thicknesses available on request
Max panel size	3000 x 1200mm Subject to fabric limitations
Standard Baffle sizes*	1200mm x 300mm 1200mm x 450mm 1200mm x 600mm 1800mm x 300mm 1800mm x 450mm 1800mm x 600mm
Weights	3.25kg/m ² for 25mm panel 5.00kg/m ² for 50mm panel

*Other sizes available on request

Frequency/ Thickness	125	250	500	1k	2k	4k	NRC	Absorber Classification*
25mm SuperPhon [®] Baffles	0.18	0.55	1.13	1.10	1.05	1.02	0.95	B
50mm SuperPhon [®] Baffles	0.41	1.02	1.15	1.10	1.03	1.00	1.10	A

*Calculated to EN ISO 11654

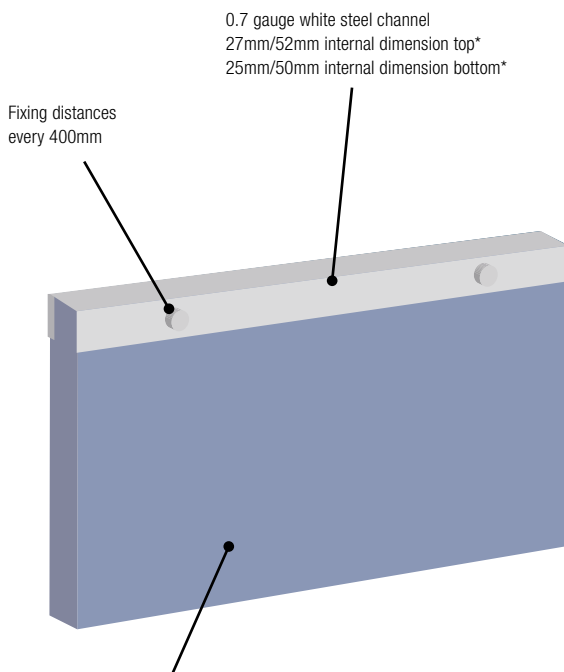
INSTALLATION & FIXING

FIXING BAFFLES DIRECT FROM CEILING

The channel is mechanically fixed directly into the soffit (using appropriate fixings supplied by others) and the baffles inserted. A drill should then be driven through the steel channel, the Baffle and the other side of the steel channel. Insert the nylon bolt and apply the cap to the other end. Tighten the cap slightly compressing the steel channel to secure the panel.

- Often installers make up the channel Baffles on a work bench for ease of drilling and then separate the elements for actual installation

Holes to be drilled on site through both the channel and Baffles. Ensure the holes are positioned to allow min 25mm distance from the top of the channel to the centre of the hole. Hole should be 8mm diameter to suit nylon fixing.



Baffles can be bespoke manufactured in 50mm or 25mm thickness. Typically installed with a 5mm gap between adjacent Baffles

* Steel channels are available in two different sizes to fit the 25mm and 50mm baffle panels

Diagrams shown are for illustrative purposes only.

INSTALLATION OF BAFFLES ON SPIRAL ANCHORS

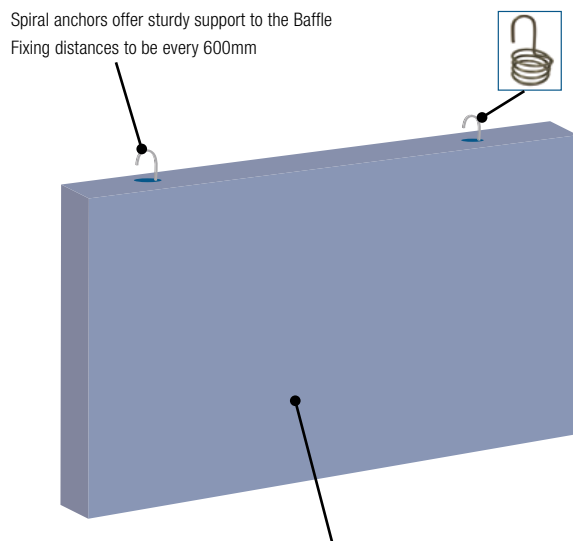
Standard Baffle sizes should have two spiral anchors inserted into the edge of the Baffle allowing an equal distance from either edge of the Baffle. Larger non standard baffles may require three or four fixing points.

Contact CMS Danskin Acoustics for advice.

Baffles will either be completely frameless or will have one edge where a frame is omitted to allow the spiral anchors to be wound in.

Wind the spiral anchor in so that the full extent of the spiral is embedded into the baffle leaving only part of the fixing loop exposed for attaching the ceiling suspension wire.

- Ceiling wire should be 2mm diameter standard suspended ceiling suspension wire allowing height adjustment and attached to the soffit with suitable fixings. Wire and soffit fixings supplied by others
- Spiral anchors are available in two different sizes to fit the 25mm and 50mm baffle panels



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