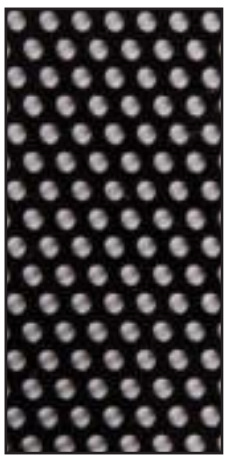
H&H Acoustic Technologies

TufSound®

Decorative acoustic wall and ceiling treatment manufactured from perforated (P) galvanised steel that is folded around a sound absorbing mineral wool core with a tissue facing. Panels are fitted into perimeter locating channels fixed to the substrate and is designed to reduce reverberation in spaces that also require resistance to incidental impact damage.



Key Features and Benefits

- Acoustically very high performing
- Wide range of applications
- Class A acoustic absorption panel (BS EN ISO 11654-1997)
- Robust perforated steel or expanded steel mesh facing
- Cleanable and durable
- Impact and moisture resistant
- Powder coated finish available
- Choice of perforation designs

TufSound®

Applications

- Schools
- Airports
- Sports stadia
- Multi-purpose arenas
- Recording studios
- Theatres
- Workshops
- Control rooms
- Plant rooms
- Factories

Colour and Finish

TufSound® panels and fixing channels are available with a galvanised surface finish or can be powder coated to any RAL specified colour subject to minimum order quantities.

The mineral fibre infill is available with black or white tissue facing as standard. Other facings are available subject to minimum order quantities.

Moisture Resistance

TufSound® panels will withstand high levels of humidity with no detrimental effect. The mineral wool infill is moisture resistant and can be further protected from the ingress of water by encapsulation within a moisture resistant film. Further details available on request.

Impact Resistance

TufSound® P (perforated) achieves Class 2A when tested in accordance with BS EN 13964:2004, Suspended Ceilings - Requirements and Test Methods, Annex D.

Operating Temperature

Suitable for use at normal building temperatures.

Fire Performance

The mineral wool core is non-combustible, when tested in accordance with BS476: Part 4: 1970 (1984).

The galvanised steel panels comply with the Class 'O' requirements of Building Regulations, when tested to BS476: Part 6 1981 and Part 7 1987.

Thermal Conductivity

0.33 W/mK @ 10°C

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.

Packaging, Handling and Storage

TufSound® should be stored flat, under cover in a dry, well-ventilated area protected from dirt and dust. Care should be taken when handling to prevent damage and scratching.

Application and Fixing

TufSound® panels are generally fixed to walls by retaining them between colour co-ordinated metal top, bottom and end channels with concealed fixings. Further details available on request.

When fixing TufSound® panels horizontally - below ceilings, soffits, etc. contact H&H Acoustic Technologies Ltd for specialist advice.

Dimensions and Weight

Product	Thicknes s mm	Height * mm	Width mm	Nominal Weight kg/m²
TufSound® P (Perforated)	50	2500 and 3000	266 and 475	9
	100	2500 and 3000	167 and 375	11

* Bespoke panel heights are available between 2500mm and 3000mm subject to enquiry. Further details available on request.

Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient (BS EN ISO 354)						Absorber Class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
TufSound® P (Perforated)	50	0.35	0.75	1.00	1.00	1.00	1.00	A
	100	0.65	1.00	1.00	1.00	1.00	1.00	A

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

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