

TufSound

Description

TufSound is a decorative acoustic wall and ceiling treatment designed for use in architectural and industrial applications where there is a requirement to create a contemporary feel to a room. It is also suitable for use as tough, functional wall panelling in areas demanding a high level of impact resistance. **TufSound** is designed to absorb airborne noise and reduce reverberation within a room to create a softer, more comfortable acoustic environment.



TufSound M

Panels are manufactured from expanded galvanised steel mesh with a sound absorbing mineral wool infill. The outer face of the mineral wool may be covered with either black or white tissue or a selection of coloured fabrics to enhance the aesthetic appeal. Alternative facings can be used to prevent the ingress of fuel oil, lubricants and other substances. The galvanised steel mesh is available in a range of sizes and panels are designed to resist mild levels of impact.

TufSound P

Panels are manufactured from galvanised perforated steel with a sound absorbing mineral wool infill. The outer face of the mineral wool may be covered with black or white tissue to enhance the aesthetic appeal. Alternative facings can be used to prevent the ingress of fuel oil, lubricants and other substances. Perforated steel panels provide a higher level of impact resistance and a cleanable surface finish. They are available with varying open areas to optimise acoustic performance and a wide range of perforation patterns or slots. Further details available on request.

Colour

TufSound M and **TufSound P** are available with a galvanised surface finish or can be powder coated to any British Standard or RAL 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.

Application

TufSound wall and ceiling panels are used extensively in schools, airports, sports stadia, multi-purpose arenas, recording studios, theatres, workshops, control rooms, plant rooms and factories.

Technical Advice

Highly qualified building acoustic engineers are available to offer assistance to clients, architects and contractors on all aspects of noise control. They can undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Impact Resistance

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

Data Sheet
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Operating Temperature

TufSound is suitable for use at normal building temperatures.

Fire Performance

The mineral wool contained within the panels 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

- 0.033 W/mK @ 10°C

Building Regulation Classification

TufSound M and TufSound P	Absorber Classification When tested to BS EN ISO 11654-1997
30mm	C
50mm	A
75mm	A
100mm	A

Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient* Tested to BS EN ISO 354					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
TufSound M	30	0.05	0.39	1.00	1.00	1.00	1.00
	50	0.20	0.63	1.00	1.00	1.00	1.00
	75	0.39	0.76	1.00	1.00	1.00	1.00
	100	0.48	0.84	1.00	1.00	1.00	1.00
TufSound P	30	0.08	0.42	1.00	1.00	1.00	1.00
	50	0.29	0.68	1.00	1.00	1.00	1.00
	75	0.50	0.81	1.00	1.00	1.00	1.00
	100	0.61	0.88	1.00	1.00	1.00	1.00

* The figures quoted are when TufSound is applied directly to a wall or ceiling.

Dimensions and Weight

Product	Nominal Thickness mm	Length mm	Width mm	Nominal Weight kg/m ²
TufSound M	30	2500	306	5
	50	2500	266 and 475	7
	75	2500	425	8
	100	2500	375	9
TufSound P	30	2500	306	6
	50	2500	266 and 475	9
	75	2500	425	10
	100	2500	375	11

Note: Other thicknesses, widths and lengths up to 3000mm are available subject to minimum order quantities. Further details available on request.

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.

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 **Hodgson & Hodgson Group Ltd** for specialist advice.

For Further Information

contact
**Hodgson & Hodgson
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