

Audio Panel™

High density sound absorption panels

Product description and typical applications

Audio Panel is sanded on one side for a smooth aesthetic finish when covered by material. Suitable as sound absorption panels at sports venues, auditoriums, cafes and restaurants.

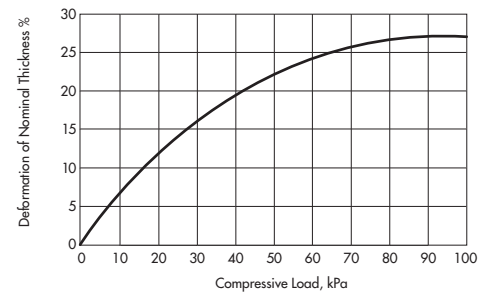
Physical characteristics

Thickness (mm)	25	50
Dimensions (mm)*	3000 x 1200	3000 x 1200
Density (kg/m ³)	96	96
Mass/Unit Area (kg/m ²)	2.4	4.8

*Not all sizes may be held in stock. Please contact your local Fletcher Insulation branch for details.

Compressive strength

Audio Panel excellent compressive strength and recovers to its nominal thickness even after prolonged compression.



Acoustic performance

Audio Panel has the following sound absorption coefficients when tested in accordance with AS1045 by the Reverberation Room Method (Mounting N4-laid flat on floor).

Nominal Thickness (mm)	Sound absorption coefficients (reverberation) at frequencies (Hz) of:					
	125	250	500	1000	2000	NRC
25	0.16	0.27	0.67	0.88	1.02	0.70
50	0.19	0.86	1.08	1.17	1.06	1.05

Green Star compliant

Fletcher Insulation is committed to providing environmentally sustainable products. Fletcher Insulation products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality is maintained with Total Volatile Organic Compound (VOC) emissions below quantifiable levels.



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AS1530.3 Early fire hazard properties of materials

Audio Panel exhibit the following characteristics when tested in accordance with AS1530 Part 3.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	0-1

Moisture absorption

Tested in an atmosphere of 65% relative humidity at 20°C in accordance with British Standard 2972. The moisture content of *Audio Panel* is less than 0.1% by volume.

Alkalinity

Audio Panel will not support the corrosion of steel. When test in accordance with British Standard 3958 Audio Panel products are slightly alkaline, pH9 (neutral is pH7).

Specification notes

State the following:

- Product name - Fletcher Insulation Audio Panel
- Thickness and performance.



The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation utilizes approximately 70% recycled waste glass.



Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glass Wool™. FBS-1 Bio-Soluble Glass Wool™ is not classified as hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC), Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008) 3rd Edition. Fletcher Insulation glasswool is classified as safe to use, refer to our MSDS.



Fletcher[™]
Insulation

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NOTE: Fletcher Insulation Pty. Ltd. reserves the right to change product specifications without prior notification. Information in this Publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but Because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given Or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application.

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