

Advanced Acoustics 5/25 Silent Panel Data Sheet

Individual Acoustic Panel Size	600mm x 1200mm
Quantity Of Acoustic Tiles Per Box	1
Total Area Covered Per Box	0.72m ²
Acoustic Panel Thickness	28mm
Sound Reduction Index	31dB
Noise Reduction Coefficient (NRC)	0.45
Acoustic Foam Colour	Black
Acoustic Foam Density	90 kg/m ³
Acoustic Foam Composition	Open Cell Polyurethane Acoustic Foam
Fire Classifications	Fire Propagation Index - < 12 (BS 476 pt 6) Surface Spread of Flame - Class '1' (BS 476 pt 7) Building Regs. 1991 (Fire Safety) - Class '0' (BS 467 pt 6 & pt 7) UL94 Classification – 94 V-0 Surface Burning Behaviour – Class A (ASTM E84-95)
Air Erosion Resistance (4001 – 6000 fpm)	Pass (ASTM C10711-91 12.7)
Fungus Resistance Test	Does Not Support Growth (ASTM G 21)
Mildew (Fungus) Resistance	Does Not Support Growth (ASTM D-2020)
Water Vapour Sorption	<9% (ASTM C552-92)
Thermal Conductivity	0.364 Btu-in./hr-ft ² -°F (ASTM C518-91)
Operating Temperature	-30 to 100°C
Profile Description	Plain acoustic foam panel



Description

Our latest range of acoustic panels, the Silent Panel is a sound barrier and acoustic foam composite with a self adhesive backing on the back of the sound barrier. The sound barrier is a 5kg Mass Loaded Vinyl and the acoustic foam is a 25mm thick, 90kg/m³ Class 0 fire rated open cell acoustic foam.

By having the noise barrier and sound absorber as one product it acts as a highly effective decoupler to isolate vibration. This product has many uses and applications. It is ideally suited to line equipment enclosures to reduce sound transmission. It is used to line walls and ceilings of mechanical rooms and plant rooms to absorb and contain the noise source. The Silent Panel enables you to create soundproof enclosures for machinery and noisy equipment.

If sound absorption and noise reduction are required then all you need is one product, the Silent Panel. With it being one easy to install product it reduces expensive installation time and reduces contractors work load. It can also be used in marine vessels to reduce noise transfer from the engine room.

Because the top layer of the Silent Panel Barrier Foam Composite is a Class 0 Acoustic Foam it has fireproof properties and the acoustic foam is treated against mildew. The Silent Panel is 600mm x 1200mm and is a total of 28mm thick, 2.6mm Sound Barrier and 25mm Class 0 Acoustic Foam. The Silent Panel is only available in black. The Silent Panels also come with a self adhesive backing already applied so there is no need to purchase supplementary adhesives to mount the barrier foam composite acoustic panels with, simply remove the backing and stick in place. The Silent Panels are suitable for mounting onto metal, wood and plastic to dampen noise transfer by reducing surface vibration.

Thanks to the size of the Silent Panel they are very easy to handle and install and is also easy to cut to the required size with either scissors or a utility knife. Mechanical fastening can also be used with this product.

The2mm Soundproofing Mat used in the composition of this product is a flexible polyolefin sound barrier mat. This unique PVC free material has a proprietary polymer structure composed of a blend of polymers compounded with mineral fillers. It can be made use of as the sole sound absorption layer or as part of a multilayer composite with other materials

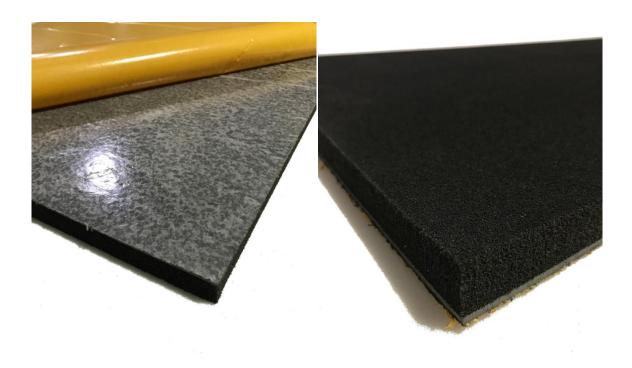
Silent Panel is currently available in the following options:

- 5kg barrier mat with 25mm Class 0 acoustic foam (this product page)
- 5kg barrier mat with 50mm Class 0 acoustic foam
- 10kg barrier mat with 50mm Class 0 acoustic foam



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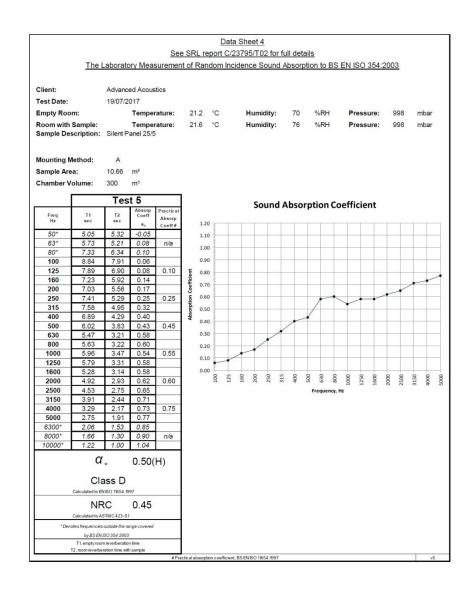


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Test Report No: C/23795/T01

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