



The Product

Sound Curtains feature a lightweight glass fibre infill which can be totally enclosed in various fabrics to meet particular application or acoustic performance requirements. Each Sound Curtain is sewn with stainless steel thread and is also quilted to prevent the glass fibre settling inside the curtain.

The top of each Sound Curtain can be cut to follow the contour of the opening to which it is fitted. A reinforced construction allows eyelets to be added so that the Sound Curtains can be hung from a rail. Velcro fastenings on the sides of each curtain allow them to be linked together to maintain thermal and acoustic integrity. Sound Curtains can be hung from soffits and ceilings to sub-divide large areas and also to provide a temporary thermal and acoustic barrier. They can also be installed directly onto walls to reduce reverberation.

Applications

- **To sub-divide large open spaces and create different temperature zones in agricultural and farm buildings**
- **In underground railway stations to prevent noise travelling up stairwells and escalators during refurbishment work**
- **Used on building sites to limit the leakage of construction work noise into the surrounding environment**
- **To help reduce the migration of dirt and dust between different work areas**

Colours and Finishes

Curtains for thermal insulation applications are generally made from a washable green PVC coated nylon fabric. Curtains for acoustic applications normally use an acoustically transparent black glass cloth fabric. Other fabric finishes and colours are available (subject to minimum order quantities).

Operating Temperature

Thermal Sound Curtains with a green PVC coated fabric can be used when the temperature in a building ranges between -20°C to +30°C. Acoustic Sound Curtains with a black glass cloth fabric are suitable for use when internal temperatures range from 0°C to +200°C.

Fire Performance

The glass fibre infill achieves a Euroclass A1 fire rating (non-combustible) when tested in accordance with BS EN 13501-1.

The glass fibre infill is non-combustible, when tested in accordance with BS476: Part 4: 1970 (1984).

The black glass cloth used in acoustic insulation applications meets the requirements of BS476: Part 7 Class 1 Surface Spread of Flame.

APPLICATIONS

- Offices • Meeting Rooms • Hotels • Conference Centres
- Leisure Centres • Schools • Restaurants • Showrooms



Sound Curtains

Acoustic Performance

When sealed to surrounding walls acoustic Sound Curtains minimise reverberation times by acting as a barrier. The amount of reduction depends on the placement of the curtains and the size of the area involved.

Thickness mm	Sound Absorption Coefficients of Sound Curtains					
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
25	0.15	0.25	0.40	0.50	0.65	0.70
50	0.25	0.45	0.70	0.80	0.85	0.85
100	0.47	0.98	1.00	1.00	1.00	1.00

Dimensions, Density and Weight

Thickness mm	Density of Infill Kg/m ³	Maximum Width mm	Maximum length m	Approx. Weight kg/m ²
25	16	1100	5	0.65
50	20	1100	5	0.85
100	20	1100	5	1.1

Thermal Conductivity

Density of Glass Fibre Infill kg/m ³	Thermal Conductivity W/mK@10°C
16	0.037
20	0.037

Permanence

The glass fibre infill is odourless, rot-proof and non-hygroscopic. It will not encourage the growth of fungi, mould or bacteria and does not sustain vermin. It also remains dimensionally stable under varying temperature and humidity conditions, and it is compatible with most surfaces that it is likely to contact.

Installation

For expert installation, we offer our own installation service anywhere in the UK. Your installation will be performed to the highest standards by skilled and experienced tradesmen. These experts understand the importance of fitting acoustic materials absolutely perfectly and they have the specialist skills to ensure your John C Wilkins materials are fitted correctly every time. As they are both experienced and skilled, they are also able to provide a highly efficient and extremely cost-effective service.

**For further details, call John C Wilkins
Acoustic Installations on 01204 548400.**

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JOHN C WILKINS ACOUSTIC SUPPLIES

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