



Trim Acoustics Acoustic Barrier

Soundblocker - Fitting

Ceiling Grid Specification

Main tees should be suspended down their length at 900mm centres.

For Soundblocker 25 and Plus, the main tees should be installed at 600mm centres. Where these are installed into an existing ceiling and the main tees are at 1200mm centres, they must be suspended down their length at a maximum of 900mm centres and all the 1200mm cross tees must be suspended individually.

Perforated Spring Tee Tile

When there is a mineral wool pad in the tile, the Soundblocker is placed on top of the pad with the foam facing upwards.

When there is no pad in the tile, the Soundblocker is placed in the tile with the foam facing downwards. For non perforated tiles, the Soundblocker should be placed in the tiles with the foam facing upwards.

When ordering for all metal type tiles, it must be made clear which method of installation is required, as the size of the Soundblocker will vary. Most spring tee systems will support Soundblocker 16, however, should Soundblocker 19 or 25 be required it must be confirmed that the system will support the weight.

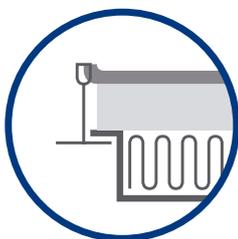
Lay-in-Grid System

INSTALLED WITH A MINERAL FIBRE TILE

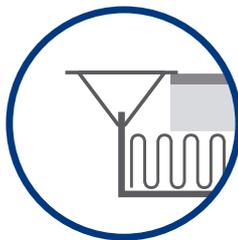
Soundblockers are placed onto the back of the ceiling tiles with the foam facing upwards. The foam compresses against the grid forming an acoustic seal. They are easily removed with the tile for access and, when replaced, the acoustic seal is automatically reformed.



Soundblocker in a perforated metal tile



Lay in grid system with a metal tile, installed with a mineral wool pad.



Soundblocker in a spring tee tile. Positioned on top of a Mineral



Soundblocker in a perforated spring tee

Open Cell and Linear Plank Ceiling

When used with this type of ceiling Soundblockers can be reversed so the foam is on the underside or alternatively a black tissue can be applied to the plain side of the board and they are installed in the standard way. Either method, they are unseen when viewed through the ceiling.

Note: With certain types of these ceilings, care should be taken with the weight of the Soundblockers if they are resting directly onto or supported by the panels.

ACCESSORIES

Soundblocker Acoustic Lighting Kit

It is important to provide acoustic treatment to lights installed in the ceiling, otherwise sound leakage will occur and the overall performance will be impaired.

Modular Fittings

Modular side strips are fixed around all sides of the fitting. These are 1200 x 100mm in size and are self adhesive. They are positioned onto the side of the fitting and should return onto the back of the ceiling covering the tee and any gap between the fitting and the ceiling. Two are required for a 600mm x 600mm fitting and three for a 1200mm x 600mm fitting. 600mm x 200mm modular end caps are available for open ended modular fittings.



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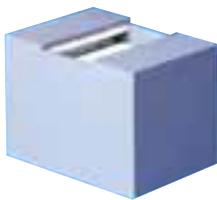
Soundblockers can normally be placed on top of the fitting when low brightness or louvre type diffusers are used. Air

must be allowed to flow through the louvre, and circulate around the tubes and switch gear. They should not be placed on top if a plastic lens type diffuser is used.

The side strips must cover any gap between the fitting and the ceiling. For open ended fittings, modular side strips are fitted down the side of the fitting, and modular endcaps on the open ends, returning onto the back of the ceiling and covering all gaps.

Recessed Downlighters Acoustic Hoods

Soundblocker Downlighter Acoustic Hoods are placed over the fitting. They reduce sound breakout, whilst allowing air to flow through the fitting. There is one standard size which accommodates most fittings (check with the fitting manufacturer for clearance, as we can

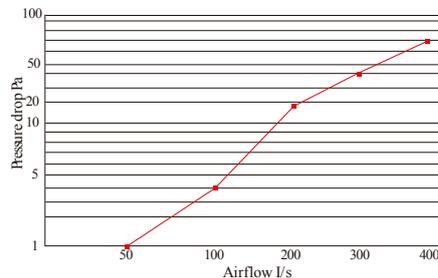


A hole is cut in the Soundblocker to accommodate the down lighter and the hood is simply positioned over this. The foam of the Soundblocker must not touch the fitting. The hood is manufactured from a non combustible material with 'Class 0' internal absorbent lining.

Air Diffuser Acoustic Hoods

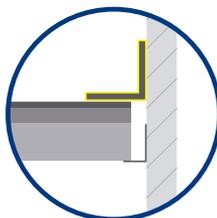


Soundblocker Air Diffuser Acoustic Hoods are for use where air is vented via the ceiling void through grilles within the ceiling. Unless acoustically treated, sound will travel through the void, reducing the acoustic performance of the ceiling. The hood is placed on top of the air grille within the ceiling grid. (The ceiling grid must be suspended in each corner to support the weight of the diffuser.)



Perimeters

At perimeters or around columns etc. Soundblocker self-adhesive perimeter strips should be used. These are positioned half onto the Soundblocker and half onto the wall forming a tight right angle joint.



Gaps And Small Openings

Soundseal can be used for sealing small gaps. These often occur at partition heads. Soundseal is an expanding foam strip supplied in rolls in varying widths and thicknesses. (See Soundseal on page 21 for details).

Specifications

Size (Nominal)	600 x 600mm and 1200 x 600mm Other sizes available to order.	
Thickness	Soundblocker 16	16mm
	Soundblocker 19	19mm
	Soundblocker 25	25mm
	Soundblocker Plus	75mm
Fire Rating	BS476 Part 6 Class 0 BS476 Part 7 Class 1	
Weight	Soundblocker 16	8.5 kgm ²
	Soundblocker 19	11.0 kgm ²
	Soundblocker 25	16.0 kgm ²
	Soundblocker Plus	25.0 kgm ²
Cutting	By trimming knife or saw.	
Modular Side Strips	Size 1200 x 100mm	
Modular End Caps	Size 600 x 200mm	
Perimeter Gasket	Size 15000 x 100mm	
Down Lighter Acoustic Hoods	Size Height 210mm (140mm internally) Width 220 x 210mm (180 x 155mm internally) Weight 2.5kg	
Air Diffuser Acoustic Hood	Size Height 350mm Width 595mm x 595mm Weight 18.25kg	