

# Trim Acoustics

## Acoustic Barrier

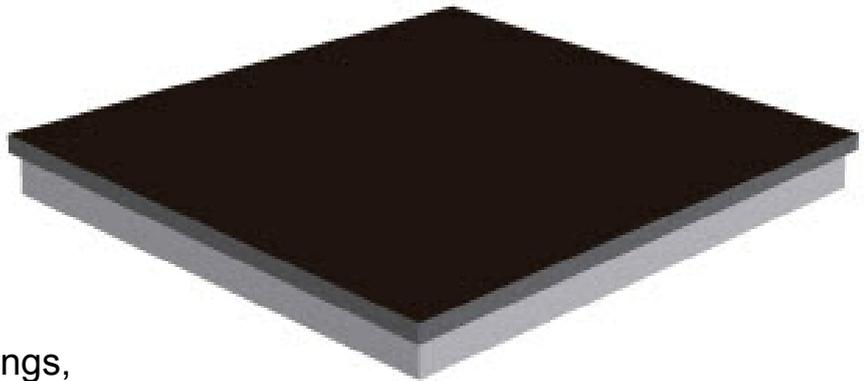


## Soundblocker

Soundblockers provide the most comprehensive system available for reducing the breakout of sound through suspended ceilings. They are ideal for use where partitions are installed only to the underside of the suspended ceiling, and will reduce the problem commonly found within the office environment of room to room noise. Soundblockers will also reduce vertical sound transmission between floors, and from services within the ceiling void. Suitable for most ceiling systems, they are simply placed onto the back of the ceiling tile and can be installed with the ceiling or as a retrofit. Easily removed with the tile, they allow access to the ceiling void. When replaced, their special edge detail re-makes the acoustic seal. Four types are available to meet specific demands. Accessories provide treatment to modular light fittings, downlighters, perimeters, air diffusers and small apertures, providing a complete system for limiting sound through suspended ceilings.

### The Benefits

- Reduces noise breakout through suspended ceilings.
- Reduces noise breakout from services within the ceiling void.
- Easily installed with new or existing ceilings.
- Easily removed for access.
- Allows complete flexibility with relocation of partitions.
- Clean and easily cut.
- Accessories for treating light fittings, air diffusers and gaps.
- Made for all types of suspended ceilings.



# Trim Acoustics Acoustic Barrier



## Soundblocker

### Soundblocker

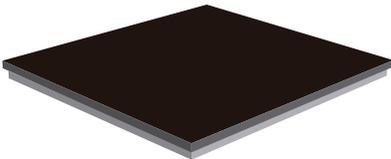
Soundblockers are formed from a rigid attenuating layer bonded to an acoustic foam. The foam absorbs reverberant sound within the ceiling void and makes an acoustic seal to the ceiling grid.

Four standard types are available to satisfy varying demands, from the normal office environment to locations where higher levels of sound need to be reduced, in music or industrial applications.

### Types

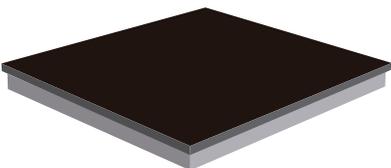
#### Soundblocker 16

Ideal for the standard office, Soundblocker 16 will reduce cross talk through the ceiling to an acceptable standard for non-private areas.



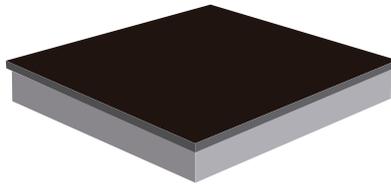
#### Soundblocker 19

Suitable for where slightly higher room to room sound insulation is required, or for reducing noise from services within the ceiling void.



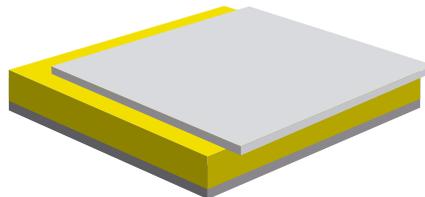
### Soundblocker 25

For use in areas where high levels of room to room sound insulation is required, such as boardrooms. Soundblocker 25 can also be used in applications where high levels of noise break out need to be reduced, such as nightclubs and industrial environments.



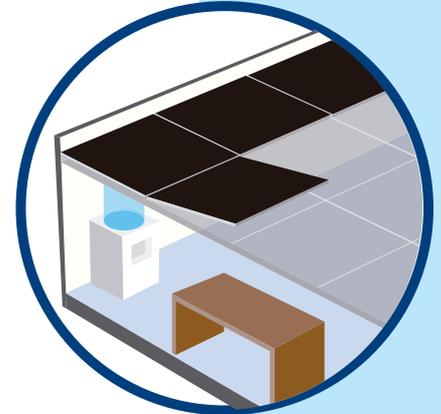
#### Soundblocker Plus

Provides the highest level of sound insulation. It is ideal for reducing high noise levels through floors and the breakout of environmental noise through roofs.



### Installation

Soundblockers are ideal for installation in both lay-in-grid and metal tray ceiling systems. They are installed with the tile in one quick economical operation, and allow easy removal of the tile for access.



Soundblockers being installed on the back of a ceiling.

### 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. When replaced, the acoustic seal is automatically reformed.

INSTALLED WITH A PERFORATED METAL TILE

Soundblockers are placed within the rebate of the tiles with the foam facing downwards.

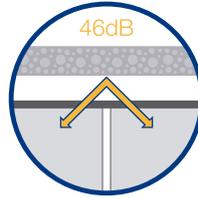
Alternatively, if there is a mineral wool pad in the rebate the Soundblockers are placed on top of the pad, in the standard way with the foam facing upwards.

### Acoustic Performance

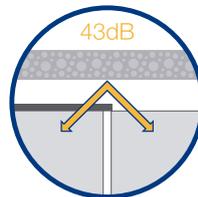
There is no Building Regulation requirement for sound insulation between offices or other rooms within a commercial environment. A room to room sound level difference of 42-45dB is normally considered adequate, whilst a level difference of 50dB or more represents a high degree of speech privacy. The overall performance is only as good as the weakest element and it is important to ensure that the insulation achieved by the partition is matched by the ceiling system.

The Soundblocker System, designed by SRS, has been tried and tested over many years. It has been installed in many different types of contracts and offers a choice and performance to satisfy most demands.

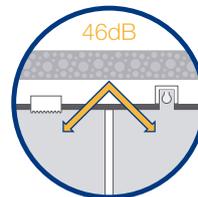
Soundblocker is the only system with a range of fully tested accessories for the treatment of downlights, modular light fittings and air diffusers.



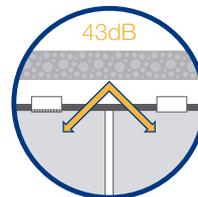
Room to room ( $D_{ncw}$ )



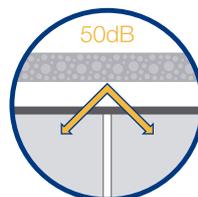
SoundBlocker installed in one room only ( $D_{ncw}$ )



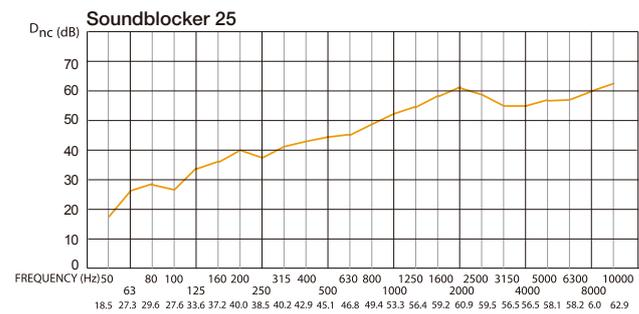
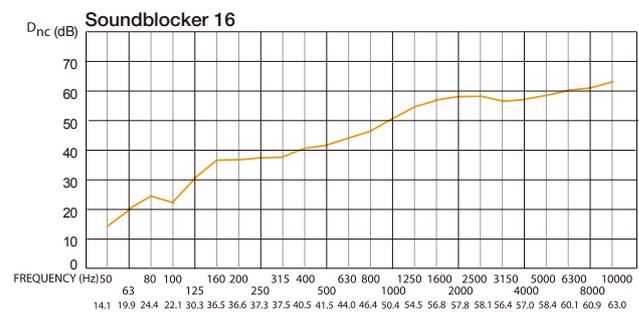
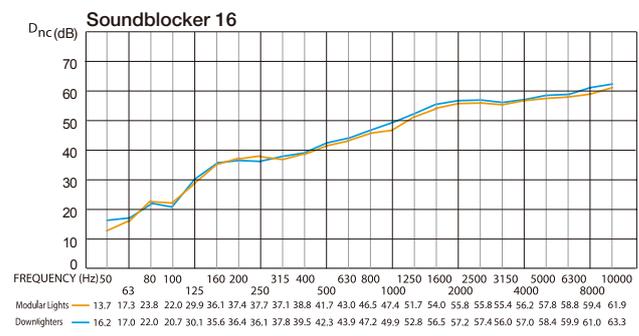
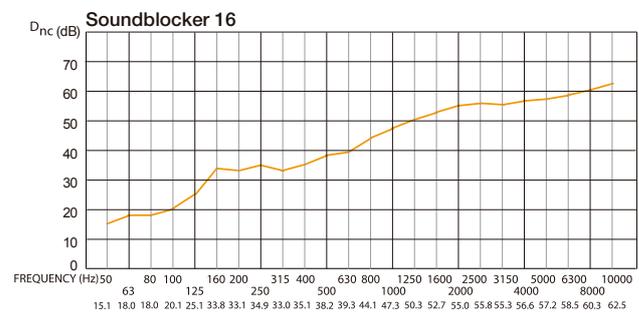
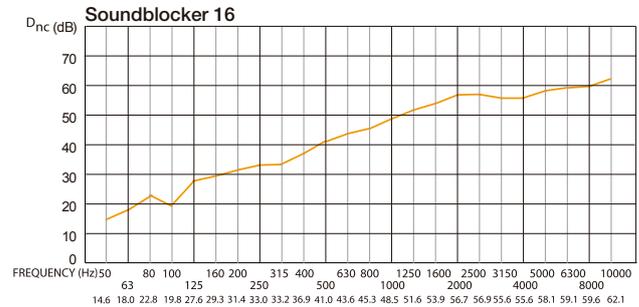
Ceiling with modular light fittings treated with SoundBlocker Lighting Kit. Downlighters treated with acoustic boxes ( $D_{ncw}$ )



Ceiling with air-grilles treated with Acoustic Hoods ( $D_{ncw}$ )



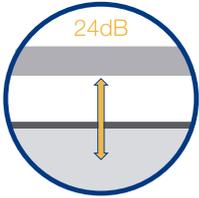
Room to room ( $D_{ncw}$ )



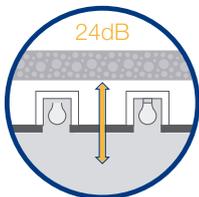
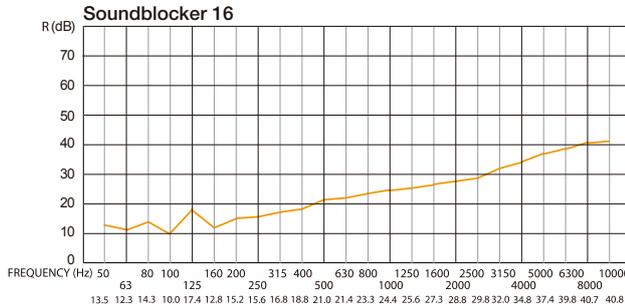
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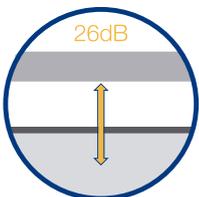
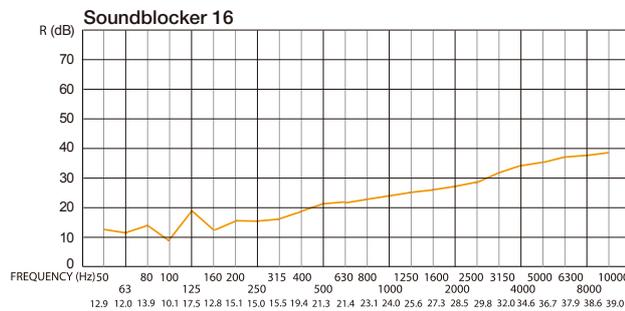
## Soundblocker



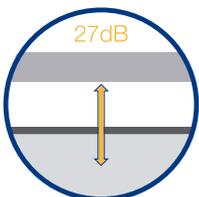
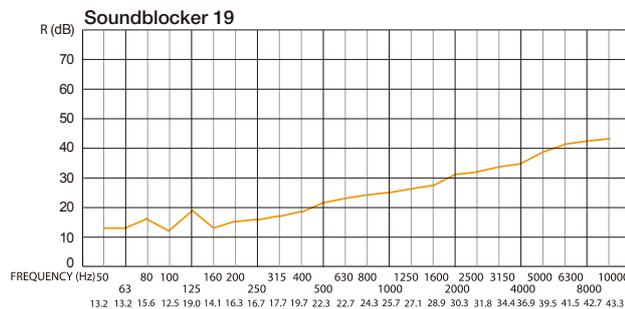
Sound reduction through ceiling ( $R_w$ )



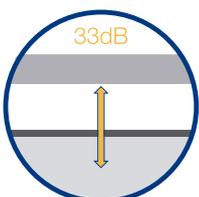
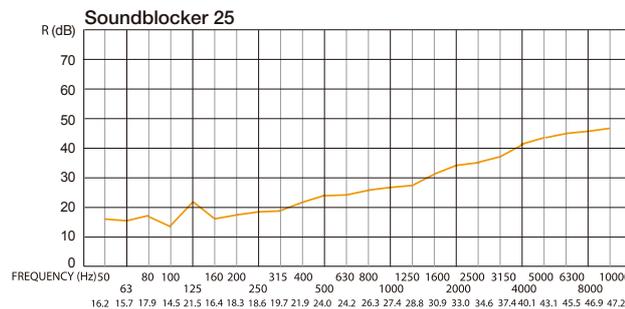
Ceiling with downlighters treated with Acoustic Hoods ( $R_w$ )



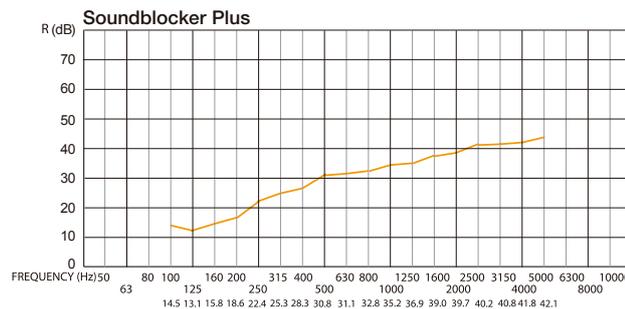
Sound reduction through ceiling ( $R_w$ )



Sound reduction through ceiling ( $R_w$ )



Sound reduction through ceiling ( $R_w$ )



### Soundblockers

Soundblockers have been tested in accordance with ISO140.9 (rated according to ISO717.1). Room to room normalised weighted, sound level difference ( $D_{ncw}$ ) ranges from 46-50dB.

ISO140.3 : 1995 (rated to ISO717.1) Sound Reduction Index ( $R_w$ ) ranges from 24- 33dB.

Tests carried out at Sound Research Laboratories Ltd, Holbrook House, Sudbury, Suffolk.

Date of Tests 4.11.98. Test no. C/98/5L/7479/1

Please note that these are laboratory tests and show insulation figures achieved in ideal conditions. SRS cannot accept responsibility for the performance of any system of which SoundBlockers are only one part.