

sound reduction systems for commercial, educational and industrial environments



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Acoustic Sealing Gasket



Introduction

Soundseal is a high density impregnated Polyurethane foam strip designed for making an acoustic seal in small gaps or apertures. It is supplied in pre-compressed coils, with a self adhesive backing. Once unwound Soundseal expands to five times its original thickness, sealing the gaps and accommodating irregularities in any surface. It is ideal for use as a sealant between ceilings and partition heads, where partitions abut structural walls, or around the perimeters of floating floors. Clean and easy to use, it can be applied in any situation where a small gap needs to be filled to maintain acoustic integrity. The elasticity and flexibility of Soundseal is such that it will seal gaps between uneven surfaces such as brickwork and concrete, etc. It maintains its elasticity and responds continually to expansion and compression cycles without joint failure. It will remain flexible for the duration of its life.



The Benefits

- Simply installed into an opening it expands to fill the gap
- Very high expansion levels
- Use as continuous strip or cut pieces
- Forms good acoustic seal
- Seals uneven surfaces
- Clean and easy to use
- Handy size rolls
- Quick to install, no waste

Installation

A length or piece is cut from the roll to fill the opening. When placed in position, it will expand to fill the gap. When installed it should not be allowed to exceed two thirds of its fully expanded thickness, it is important therefore to check the thickness required before ordering. It will expand in only one direction and should be cut to the exact width required.

Partition Heads

Soundseal is ideal where partitions are fixed to the underside of suspended ceilings. Soundseal should be laid as a continuous strip along the head of the partition. This will form a good seal to the face of the ceiling tile, taking up any undulations or unevenness which may occur. The appropriate thickness should be used dependent on the surface pattern of the tile. For plain tiles or those with a fine surface pattern the minimum thickness can be used, for deep profile patterns a greater thickness should be used.

Rebated Edge Tiles

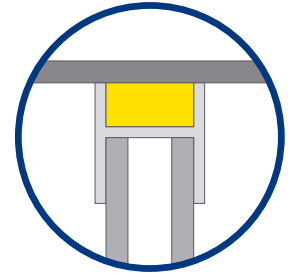
For rebated edge tiles a piece is simply cut from the appropriate width roll and inserted into the rebate. This will then expand and ensure the rebate is fully sealed. The backing paper should be left on, this will allow easy insertion.

It is important that all tiles should be clipped into the ceiling grid to prevent the tile rising as a result of the expansion of the foam. It is best to use spider clips so the tile will be held firm on the grid.

For sealing partition heads



For straight edge tiles with a flat surface the minimum thickness can be used.

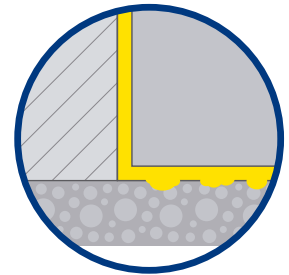


Where an 'H' section is used at the partition head, this should be infilled with the appropriate grade.



For rebated edge tiles with a flat or small surface pattern, the minimum thickness can be used. A cut piece is inserted separately into the rebate.

For sealing to walls and floors

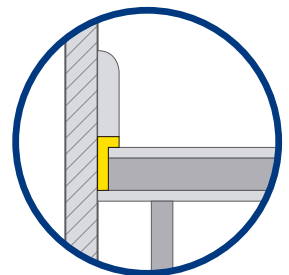


Soundseal is ideal where a partition abuts a wall and floor taking out any undulations.



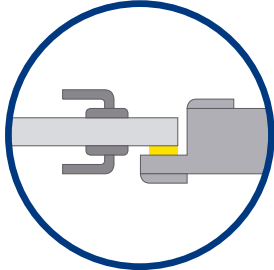
For rebated edge tiles with a deep profile pattern an increased thickness should be used. A cut piece is inserted separately into the rebate.

For sealing floating floors



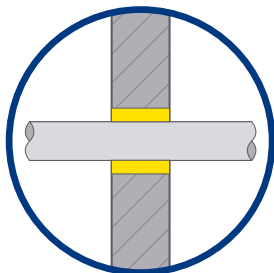
Soundseal can be fixed around perimeter walls to isolate a floating floor from the structure.

For sealing to doors



A strip of Soundseal may be fixed to the rebate of a door or window casing. Care should be taken to use the correct thickness to allow the door or window to close.

For sealing around pipes



Where services pass through a wall, Soundseal is used as a gasket seal.

Specifications

Grade	Length	Roll Widths	Thickness		Maximum opening to be filled
			Compressed	Expanded	
1/5	15m	15/25/40 mm	1mm	5mm	3mm
2/10	10m	15/25/40 mm	2mm	10mm	6mm
3/15	8m	15/25/40 mm	3mm	15mm	10mm
4/20	5m	15/25/40 mm	4mm	20mm	13mm
5/25	5m	15/25/40 mm	5mm	25mm	16mm

Density: 33kg/m³

Cutting: By sharp knife or scissors

Expansion Time: Full expansion when cut from the roll will take 24 hours in normal conditions. If re-compressed, Soundseal will re-expand within minutes.

It is important, where Soundseal is used to form a seal that needs to be released i.e. doors/windows etc, that a tape should be applied to the exposed surface of the Soundseal otherwise a permanent seal may be formed. Most standard tapes are suitable, i.e. PVC/vinyl/sellotape.