



Soundseal



Acoustic Sealing Gasket

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

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.

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. It is important therefore to check the thickness required before ordering using the table within this datasheet. Soundseal 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.



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.

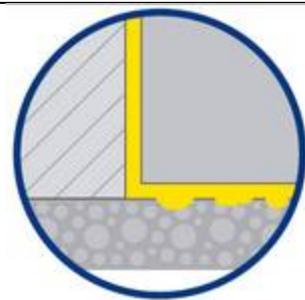


For rebated edge tiles with a deep profile pattern an increased thickness should be used. A cut piece is inserted separately into the rebate.

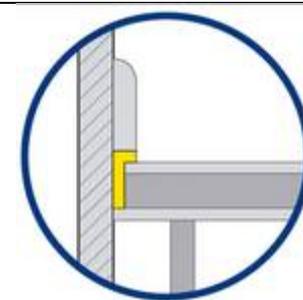


Where an 'H' section is used at the partition head, this should be infilled with the appropriate grade.

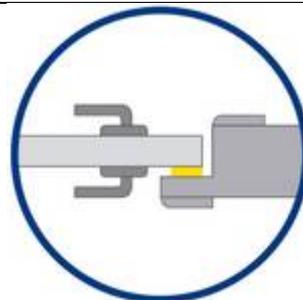
For sealing to walls and floors:



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

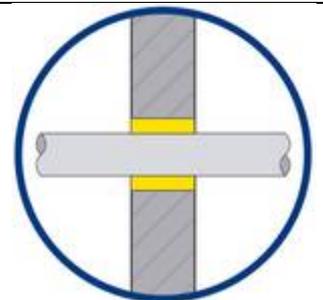


Soundseal can be fixed around perimeter walls to isolate a floating floor from the structure.



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 ceiling around pipes:



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

Specifications

Please note that the density of Soundseal has changed from VSR300 to VSR600 and therefore the range of expansion grades that we offer has also change. Some stock of the old density (VSR300) may be available in some expansion grades and roll widths. Please enquire with SRS before purchasing.

VSR300 (Discontinued)

Expansion Grade VSR 300	Length	Roll Widths	Thickness		Maximum opening to be filled
			Compressed	Expanded	
1/5	15m	15/25/40mm	1mm	5mm	3mm
2/9	10m	15/25/40mm	2mm	10mm	6mm
4/17	5m	15/25/40mm	4mm	17mm	10mm
5/26	4.5m	15/25/40mm	5mm	26mm	16mm
7/35	4.5m	15/25/40mm	7mm	35mm	23mm

VSR600 (Current)

Expansion Grade (VSR600)	Length	Roll Widths	Thickness		Maximum opening to be filled for acoustic seal
			Compressed	Expanded	
2/9	12.5m	15/25/40mm	2mm	9mm	5mm
3/13	10.0m	15/25/40mm	3mm	13mm	7mm
4/17	8.0m	15/25/40mm	4mm	17mm	9mm
5/26	5.6m	15/25/40mm	5mm	26mm	13mm
7/33	4.3m	15/25/40mm	7.0mm	35mm	18mm
10/53	3.0m	15/25/40mm	10.0mm	53mm	27mm

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.



sound
reduction
systems

Manufacturers of Acoustic Insulation Products

Sound Reduction Systems Ltd
Adam St, Off Lever St, Bolton BL3 2AP
Tel: +44 (0)1204 380074 · Fax: +44 (0)1204 380957
E-mail: info@soundreduction.co.uk
Web: www.soundreduction.co.uk