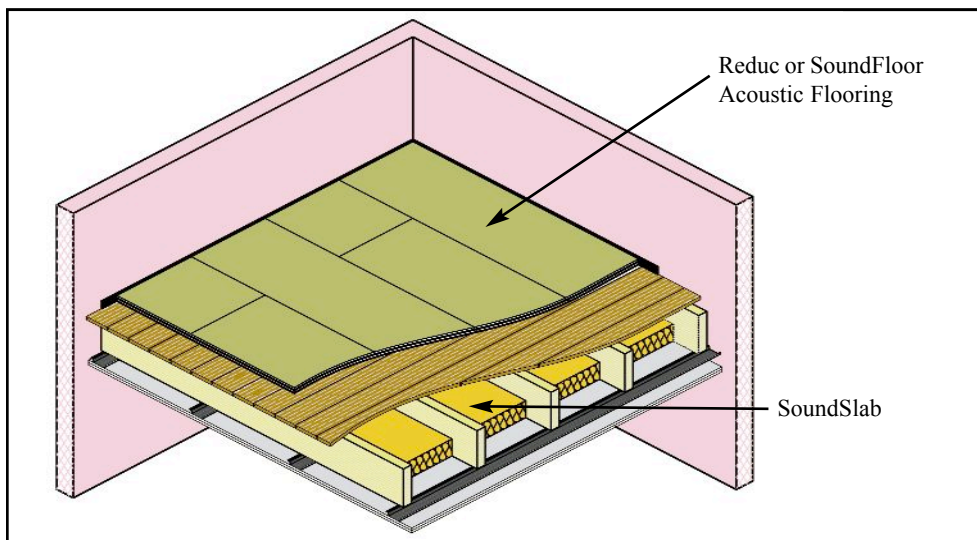


SoundSlab

Description

SoundSlab is manufactured from non-combustible rock fibre with a high performance binder.



It is designed to improve the acoustic performance of partition walls, separating floors and ceilings by reducing sound transmission through the structure.

SoundSlab is available in a range of thicknesses to suit most applications.

Colour - Greyish Brown

Application

SoundSlab is an integral component in the Reduc and SoundFloor acoustic flooring systems and is used extensively in its own right in a wide range of other wall and floor applications; in new build projects and when refurbishing and converting existing buildings into flats and apartments. Clients include local authorities, housing associations, private house builders, commercial developers and individuals seeking to improve the acoustic performance of their homes.

Technical Advice and Acoustic Testing

Highly qualified and experienced building and acoustic engineers are available to discuss all aspects of acoustic performance requirements with clients, architects, specifiers, building control officers, builders and contractors. They can prepare specifications and effective installation instructions to ensure optimum acoustic performance is achieved.

They are also available and have the necessary equipment to undertake pre- and post-installation testing for airborne and impact sound insulation, if required. Further details are available on request.

Operating Temperature

SoundSlab can be used at continuous operating temperatures up to 250°C and up to 850°C in selected applications. Further details available on request.

Compliance with Building Regulations

SoundSlab will assist in compliance with Building Regulations Approved Document E 2003. Further details available on request.

Fire Performance

SoundSlab achieves a Euroclass Reaction to Fire Class A1 rating (non-combustible) when tested in accordance with BS EN 13501-1

Thermal Conductivity

- 0.035 W/mK @ 10°C

Acoustic Performance

Detailed below are acoustic test results for **SoundSlab** as tested at AIRO Laboratories.

Product	Thickness mm	Sound Absorption Coefficients					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
SoundSlab	100	0.53	1.00	1.00	1.00	1.00	1.00

Below are sound reduction values for a number of 'typical' wall and floor constructions.

Partition Wall Constructions	Sound Reduction Value R_w dB
2 x 12.5mm plasterboard either side of 150mm studs at 600mm centres with 100mm SoundSlab in the void.	56
Timber Floor Constructions	Airborne Noise $D_{nT,w} + C_{tr}$ dB
100mm SoundSlab between 50 x 225mm joists at 400mm centres with 18mm chipboard floor and Reduc Micro 17 above and double layer plasterboard fixed onto SoundBreaker Bars below to form a de-coupled ceiling.	51
100mm SoundSlab between 50 x 225mm joists at 400mm centres with 18mm chipboard floor and SoundFloor Plus above and double layer plasterboard to form ceiling below.	46
100mm SoundSlab between 50 x 225mm joists at 400mm centres with 18mm chipboard floor and Reduc Foundation 35 above and double layer plasterboard to form ceiling below.	47

Dimensions

Thickness mm	Slab Dimensions		Number of Slabs per Pack	Area per Pack m ²
	Length mm	Width mm		
100	1200	600	6	4.32

Packaging, Handling and Storage

SoundSlab is supplied in clear polythene wrappers. Packs should be stored inside and under cover in a dry, well-ventilated area off the ground. The material is lightweight, easy to handle and can be cut with a long bladed knife.

Permanence

SoundSlab is rot-proof, odourless, non-hygroscopic, will not sustain vermin and will not encourage the growth of fungi, mould or bacteria. It does not settle under vibration, when tested in accordance with BS2972: 1975 and is dimensionally stable under varying conditions of temperature and humidity.

Application and Fixing

For detailed advice on how to use **SoundSlab** in various applications contact **Hodgson & Hodgson Group Ltd's** Technical Department on 01664 821828.

For Further Information

contact

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