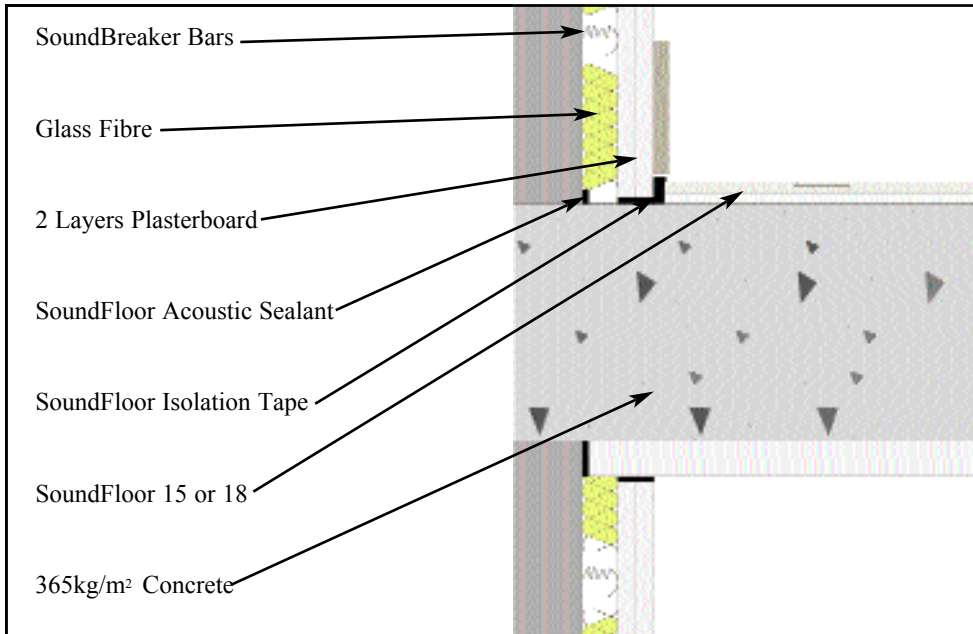


SoundFloor 15 and 18

Description

SoundFloor 15 and 18 are high performance acoustic overlay flooring products suitable for use on concrete floors. They comprise a substrate layer of medium density fibreboard, with a high density acoustic felt on the underside.



SoundFloor 15 and 18 are 15mm and 18mm thick respectively and can be laid directly onto concrete. Both are designed to damp vibration and impact noise passing through concrete floors.

When installed over concrete floors they will exceed new build and conversion standards of the Building Regulations.

Application

SoundFloor 15 and 18 are used extensively in the refurbishment and conversion of existing buildings, and in all manner of new build projects particularly where there is a requirement to comply with Building Regulations.

Technical Advice and Acoustic Testing

Highly qualified and experienced building and acoustic engineers are available to discuss all aspects of acoustic performance requirements and can prepare specifications and effective installation instructions to ensure optimum performance is achieved. They can also undertake pre- and post-installation testing for airborne and impact sound insulation, if required. Further details are available on request.

Operating Temperature

SoundFloor 15 and 18 are suitable for use at normal building temperatures.

Fire Performance

SoundFloor 15 and 18 will not add significantly to any existing fire hazard when properly installed.

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Dimensions and Weight

SoundFloor	Installed Thickness mm	Overall Board Dimensions Excluding Lap Joint	Laid Area per Board Allowing for Lap Joint	Weight	
				Per m ²	Per Board
15	15	1175mm x 575mm	0.675m ²	5kg	3.4kg
18	18	1175mm x 575mm	0.675m ²	7kg	7.42kg

Building Regulation Requirements

Building Regulations Approved Document E (England and Wales) and Building (Scotland) Regulations Section 5 call for the following standards to be achieved for all timber and concrete floors:

Building Regulations Approved Document E (England and Wales) 2003	Airborne Noise	Impact Noise
	D _{nT,w} + C _{tr} dB	L' _{nT,w} dB
Conversions	43 or greater	64 or less
New Build	45 or greater	62 or less

Building (Scotland) Regulations 2004 Section 5	Airborne Noise	Impact Noise
	D _{nT,w} dB	L' _{nT,w} dB
New Build and Conversions	52 or greater	61 or less

Acoustic Performance

Detailed below are acoustic test results for a Type 1 concrete floor construction. Performance data for other floor constructions together with more detailed technical advice is available on request.

A 365kg/m² concrete floor with a soft floor covering and appropriate ceiling treatment is deemed to satisfy Building Regulation requirements for airborne noise.

SoundFloor 15 or 18 on 365kg/m² concrete floor with plaster skim ceiling provides a Weighted Reduction in impact sound pressure level (ΔL_w) of 24dB compared with Building Regulations minimum requirement of 17dB

Flanking Transmission

The performance figures quoted above are based on test results for concrete floors and can only be expected if the building design and construction has followed good practice to ensure all potential flanking paths have been eliminated. In order for wall and floor constructions to be fully effective, extreme care should be taken to correctly detail the junctions between the separating wall or floor and the associated elements such as external walls and any penetrations. If junctions are incorrectly detailed, the acoustic performance will be limited and Building Regulation requirements may not be achieved in practice.

Packaging and Handling

SoundFloor 15 boards are packed in non-returnable cardboard cartons on non-returnable pallets. **SoundFloor 18** boards are packed on non-returnable pallets. Both should be stored inside and under cover in a dry, well-ventilated area. They should be laid flat and kept off the ground. Extreme care should be taken when handling to avoid damage.

Application and Fixing

- See separate sheet.

Availability

SoundFloor 15 and 18, SoundBreaker Bars, SoundFloor Joint Adhesive, SoundFloor Isolation tape and SoundFloor Acoustic Sealant are available through a national network of stockists, distributors and builders merchants. Further details available on request.

For Further Information

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