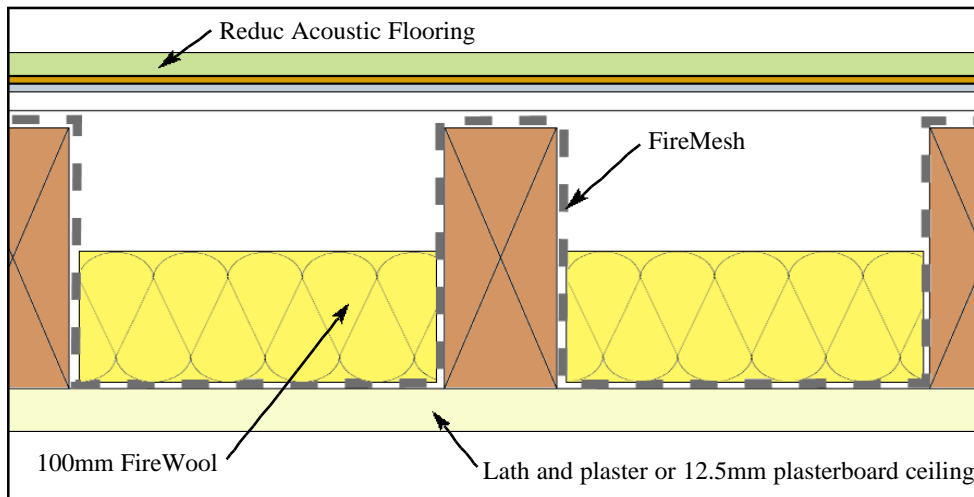


FireWool

Description

FireWool is an integral part of the FireFloor system which is designed to provide a one-hour fire rated ceiling when refurbishing old and listed buildings without disturbing the existing lath and plaster or single layer plasterboard ceiling. It also improves the acoustic performance of an intermediate timber floor by reducing sound transmission through the structure.



FireWool is manufactured from non-combustible rock fibre.

Colour - Greyish Brown

Application

FireWool is used exclusively in the FireFloor system when refurbishing old and listed buildings with timber floors where there is a requirement to retain the original ceiling below.

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

FireWool can withstand continuous operating temperatures up to 250°C and up to 850°C in selected applications. Further details available on request.

Compliance with Building Regulations

FireWool, when incorporated into the FireFloor system complies with Building Regulations Part B (2000) for products tested before 1988.

Applications made to Building Control bodies before 6th April 2007 should follow the guidance contained in Approved Document B 2000 edition.

Applications made on or after 6th April 2007 should follow the guidance contained in the latest Approved Document B (Volumes 1 and 2).

Data Sheet
2007 Issue 01

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Web Site:
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Fire Performance

FireWool achieves Euroclass Reaction to Fire Class A1 when tested in accordance with BS EN 13501-1.

Thermal Conductivity

0.040 W/mK @ 10°C

Acoustic Performance

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

Dimensions

Thickness mm	Slab Dimensions		Number of Slabs per Pack	Area per Pack m ²
	Length mm	Width mm		
100	1000	600	6	4.32

Packaging, Handling and Storage

FireWool is supplied in 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

FireWool is rot-proof, odourless, non-hygroscopic, will not sustain vermin and will not encourage the growth of fungi, mould or bacteria. It is dimensionally stable under varying conditions of temperature and humidity.

Application and Fixing

Follow the guidelines below to incorporate FireWool into the FireFloor system:

Remove existing floorboards above the ceiling to be treated. Mechanically fix FireMesh around the profile of the existing timber joists to form a supporting mechanism above the existing ceiling. Friction fit FireWool between the joists taking care to ensure there are no gaps between the joists and the FireWool.

Re-lay the original floor boards directly onto the joists before overlaying with Reduc Micro 17, Reduc Micro 21 or Reduc Strata Extra in accordance with the Reduc Fitting Guidance notes.

Alternatively, lay Reduc Foundation 35 directly onto the existing joists in accordance with the Reduc Fitting Guidance notes to create a new structural floor.

Fitting details are available on our web-site www.acoustic.co.uk or by ringing 01664 821828.

Availability

FireWool and the components used in the FireFloor system are available through a national network of stockists, distributors and builders merchants. Further details available on request.

For Further Information

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