

Product Description

Abesco FR Mortar is designed to maintain the fire resistance of compartment walls and floors.

Abesco FR Mortar is a pre-mixed dry blend, consisting of inorganic fillers and foamed perlite. When mixed with water it produces a trowelable or pourable grade non-spalling, thermally insulating fire seal. Whilst curing, the mortar expands by approximately 1% ensuring a tight seal around penetrations and within the opening. Once installed Abesco FR Mortar sets within approximately 30 minutes allowing works to be completed without the need to re-visit the site. Abesco FR Mortar can be installed as a load bearing or non-load bearing seal. For load bearing seals please consult the installation manual.

Abesco FR Mortar is non-combustible to BS 476 Part 4 and has been comprehensively tested to BS 476 part 20 and other international standards.

A detailed installation manual is available for this product and should be read to assist correct selection and on-site use.

Fire Performance Table

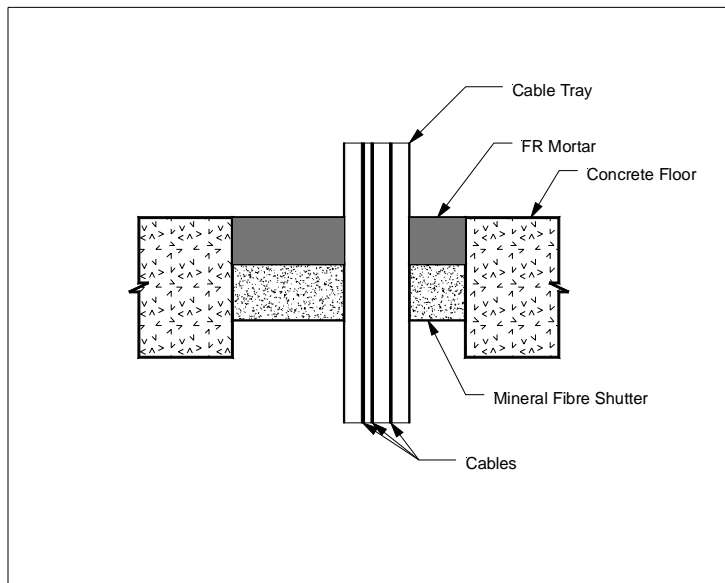
	Insulation	Integrity
Mortar	240 mins	240 mins
Services	120 mins	240 mins

Test Standards

Tested in accordance with the methodology and criteria described in:-

- BS 476 part 20:1987
- AS 1530 part 4:1990 & 4072 part 1:1992
- prEN 1366-3: 1993
- SABS 0177 Part 2 (1991)
- NS EN 1363-1

Typical Detail



Installation Instructions

- 1 Ensure all service penetrations are complete and installed to the manufacturers recommendations
 - 2 Remove dust and debris by brushing out the opening and surrounding area
 - 3 For loadbearing applications, ensure that suitable reinforcement is installed in accordance with the instructions in the current FR Mortar Installation Manual.
 - 4 Friction fit 60mm thick mineral fibre slab shutter within the thickness of the wall or floor. To ensure a good seal, Abesco FR Intumescent Acrylic Mastic can be applied to all joints in the mineral fibre. A temporary timber shutter can be used in place of the permanent mineral fibre, but this should be removed once the seal is cured.
 - 5 Pour clean potable water into a suitable mixing vessel and add sufficient dry FR Mortar to achieve the required consistency, stirring the slurry to remove all lumps. The normal mixing ratios are:
 - 2.5 parts FR Mortar : 1 part Water Pourable mix
 - 3 parts FR Mortar : 1 part Water Trowelable mix
 - 4 parts FR Mortar : 1 part Water Hand Batch mix
- IMPORTANT: ALWAYS ADD THE DRY POWDER TO THE WATER**
- 6 Pour or trowel apply the mix onto the mineral fibre shutter, and build up to the required thickness with further applications (if required).

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