

Sealmaster®

FR MORTAR

The sub-division of compartments in a building if effectively fire-stopped, will prevent the spread of fire and smoke through fire resisting and separating elements.

Electrical and mechanical penetrations by necessity breach these elements. It is therefore essential that fully tested products and systems are installed to maintain the integrity and insulation of the compartment floor or wall, whilst providing adequate thermal insulation to the penetrating services.

Sealmaster FR Mortar is a specially blended powder which, when mixed with water forms a trowelable and load bearing grade mortar for sealing mechanical and electrical penetrations in fire compartment walls and floors.

Sealmaster FR Mortar provides up to 4 hours fire resistance and complies with the methodology and criteria described in BS476 Part 20: 1987.

Any future alternations for M/E services may easily be undertaken by either drilling or sawing the compound and subsequently re-sealing. It is essential that damaged seals are reported immediately. Failure to do so may cause loss of structural integrity to the fire resisting and separating element.

Full Quality Assurance/Quality Control certification package is available for maintenance and damage.

Prior to installation ensure all inner faces of the opening and surfaces of the penetrating services are free from oil, grease, dust, etc.

Mixing - simply add the required amount of FR Mortar to water and mix to a smooth consistency. The installation of temporary or permanent shuttering is required for floor openings.

FR Mortar can be installed in difficult areas of access and even in walls, since mixing consistency can be easily adjusted to suit application.

For large floor openings ie riser ducts, which require load-bearing capacity, consult Sealmaster for steel reinforcement specification and installation manual.

It is recommended that installation is carried out by a trained operative and full training of this system is available from Sealmaster or via an approved contractor.

EASY TO INSTALL

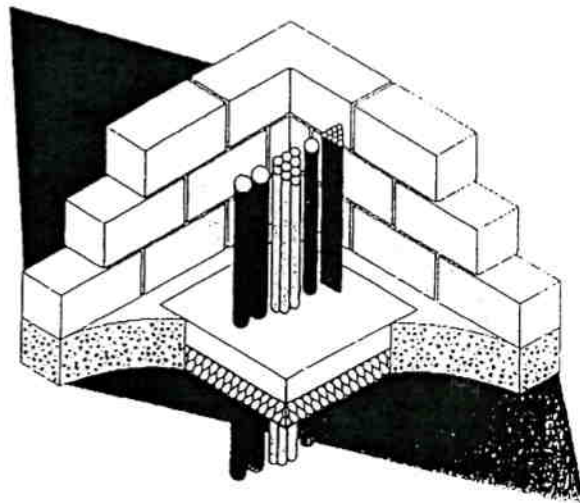
**EXPANDS WHILST CURING
TO CREATE AN
EXCELLENT SEAL**

DESIGNED FOR RETRO-FITTING

**ONLY 75mm THICKNESS
FOR 2 HOURS**

GOOD WORKABILITY

**AVAILABLE EX-STOCK
FROM SEALMASTER**

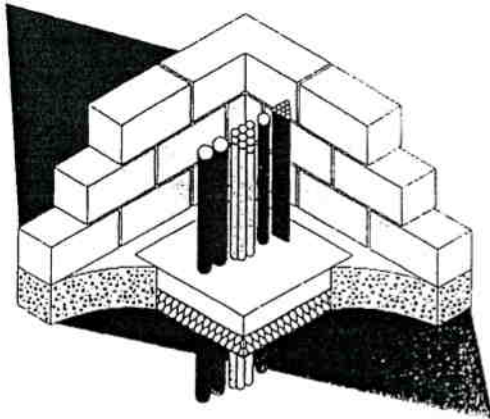


PAMPISFORD, CAMBRIDGE CB2 4HG

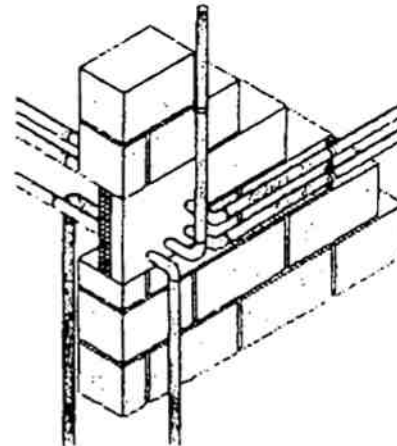
Telephone: (01223) 832851 Facsimile (01223) 837215

INSTALLATION METHODS

Typical Cable Tray detail through floor opening



Typical Pipework detail through wall opening



FIRE RATING/THICKNESS CHART

Rating	Depth of Compound	Approx No of 20 kg sacks of FR Mortar per m ²
1 hour	75mm thick	3.5 (20 kg) sacks
2 hours	75mm thick	3.5 (20 kg) sacks
3 hours	100mm thick	4.8 (20 kg) sacks
4 hours	100mm thick	4.8 (20 kg) sacks

Approximate coverage based on Pourable Grade

**MIX POWDER TO WATER - NOT WATER TO POWDER
AVAILABLE IN 20 kg SACKS AND 10 kg PLASTIC TUBS**

Mixing:

- Simply add the required amount of FR Mortar to water and mix to a smooth consistency.
- The installation of temporary or permanent shuttering is required for floor openings.
- Mixing consistency may be altered to suit application requirement - these are approximate mixing ratios:

HAND BATCHING FOR WALLS	4 parts Mortar to 1 part water
TROWELABLE GRADE	3 parts Mortar to 1 part water
POURABLE GRADE	2 parts Mortar to 1 part water

- Working time is approximately 45 minutes and can be extended by simply adding extra water.

STORE OFF THE GROUND IN DRY CONDITIONS

The technical data given is supplied for guidance only and is based on actual controlled fire tests and is believed typical of the product. As the manufacturer only, Sealmaster offers no guarantee of results since site installation is beyond our control. Due to our policy of continuous R & D, Sealmaster reserves the right to alter product specifications without notice.