

CharCoat FS Mortar TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

CharCoat FS Mortar is a specially formulated gypsum based mortar, which is mixed with water to be trowelled or poured around service penetrations. Tested in accordance with BS 476:Part 22, CharCoat FS Mortar provides up to 6 hours fire protection.

APPLICATION AREAS

CharCoat FS Mortar is used to provide a fire rated seal around service penetrations in fire rated walls and floors. Tested in accordance with BS 476:Part 22, CharCoat FS Mortar provides up to 6 hours fire protection.

TECHNICAL DATA

PROPERTIES

RESULT

Composition	Gypsum based Mortar	
Certification	BS476 Part 22	
Theoretical Covearge		
Fire Rating	Thickness	Bags/M2
1-2 hours	75mm	3.15 bags
3-6 hours	100mm	4.2 bags
*Based on 22kg bags		
Color	Off White	

FEATURES AND BENEFITS

- Smoke seal
- Good acoustic insulation
- Simple installation
- Load bearing seal
- Suitable to make good around most types of service penetrations
- Unaffected by humidity
- Maintenance free
- No smoke emission

CharCoat FS Mortar will provide a water tight, air tight, smoke free and cold smoke seal.

APPLICATION

CharCoat FS Mortar is a specially formulated gypsum based mortar, which is mixed with water to be trowelled or poured around service penetrations. Plastic pipework must be protected with either Fire CharCoat Collars or Intumescent Pipe Wraps.

In floors, permanent formwork panel (50mm) is cut and friction fitted between services and the edges of the floor slab. CharCoat FS Mortar is then trowelled over the formwork to a depth of 25mm thick. This is allowed to harden. The CharCoat FS Mortar is then mixed to a pouring grade and tops the seal up to the required depth.

In walls, CharCoat FS Mortar is mixed into a stiff consistency for trowelling into smaller openings. In larger openings, CharCoat FS Mortar can be cast into blocks which can be built into walls.

Install CharCoat FS Mortar to provide 1,2,3 or 4 hour fire rating to all service penetrations through all fire rated walls and floors. Installation to be fully in accordance with manufacturer's instructions.

LOAD BEARING SEALS

Thickness	Load Bearing Area (free of Service)
75mm	500mm x 500mm*
100mm	750mm x 750mm*

The open area free of services: thickness of seal ratios for non-reinforced seals given above, allow an ample safety margin for normal foot traffic e.g. loads of two men plus equipment with a combined weight of up to 200kg. CharCoat FS Mortar sets in 30-45 minutes and is capable of accommodating foot traffic in approximately 72 hours.

* As a further safety margin, we would recommend that all floor seals with clear areas greater than in the above table must be reinforced.

Please contact our technical department for details.

For exterior application CharCoat FS Mortar must be coated with CharCoat CC Cable Coating

CLEANING

Pump, mixer and hose should be cleaned with water only.

HEALTH AND SAFETY PRECAUTIONS

Safety data sheet (SDS) must be read and understood before use.

PACKAGING

- 22 kg net weight
- Paper bag (plastic bag interior)

TRANSPORT / STORAGE

- Transport and storage free from frost- preferably at a minimum of +5°C to a maximum of +35°C

SHELF LIFE

When stored at the recommended conditions, unopened bags have a shelf life of 12 months from date of manufacture.

GUARANTEE / WARRANTY

10 Years / Product only. Please refer to our full Terms and Conditions of sale.

No liability can be accepted for the information provided in this document although it is published in good faith and believed to be correct. CharCoat Passive Fire Protection reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

PRODUCT	FIRE RATING MINUTES
CharCoat FS Mortar	up to 6 hours
APPROVALS	DESCRIPTION
BS476, Part 20/22	CharCoat FS Mortar - Up to 2 hours 75mm - Up to 2 hours 25mm Mortar / 50mm Rockwool / 25mm Mortar - Up to 6 hours 100mm



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Disclaimer: The above data, particularly the recommendations for the application and use of Charcoat Passive Fire Protection products are based on the manufacturer's knowledge and experience. Due to different materials and conditions of application, which are beyond our control, we recommend in any case to carry out sufficient tests in order to ensure that Charcoat Passive Fire Protection products are suitable for the intended purpose and applications. Therefore, any liability for such recommendations or any oral advice is expressly excluded unless we have acted willfully or by gross negligence. It is always the responsibility of the installer / purchaser to guarantee correct preparation, DFT (Charcoat Coatings) and thickness (charcoat Firestop Products) of all Charcoat Passive Fire Protection products. Charcoat Passive Fire Protection is not liable for installation or faulty installation. It is always the responsibility of the installer / purchaser to guarantee and certify the installation of materials.