

CharCoat FS Panel TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

CharCoat FS Panel is used to firestop mechanical and electrical services where they pass through fire rated walls. Tested in accordance with BS476:Parts 20 & 22, CharCoat FS Panel provides up to 4 hours fire protection.

APPLICATION AREAS

CharCoat FS Panel is used to provide a fire rated seal around service penetrations in fire rated walls and floors.

TECHNICAL DATA

PROPERTIES

RESULT

Composition	150kg/m ³ Mineral fibre Panel	
Certification	BS476 Part 20 & 22	
Theoretical Covearge		
Fire Rating	Wall/floor	Panel(s)
4 hours	Block wall	single
4 hours	Concrete	single
2 hours	Platerboard	double
*Based on 1200mm x 600mm x 50mm Panel		
Color	White matt finish	

FEATURES AND BENEFITS

- Cold smoke and air tight seal
- Good acoustic insulation (up to Rw of 52dB)
- No coat back required
- Simple installation
- Light weight
- Suitable to make good around most types of service penetrations
- Unaffected by humidity
- Maintenance free
- Low smoke emission

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

ACOUSTIC

Weighted Sound Reduction Index (Rw) of up to 52dB. Contact our sales office with details of:

- Wall construction
- Acoustic rating required
- Size of opening

APPLICATION

CharCoat FS Panel comprises of three CharCoat Passive Fire Protection elements:

- CharCoat FS Panel– 150kg/m³ Density (1200mm x 600mm x 50mm)
- CharCoat Intu Sealant
- CharCoat CC Coating

CharCoat FS Panel are manufactured by spraying 150kg/m³ high-density rock fibreboard with a fire rated intumescent coating. The coated panels are simply cut and friction fitted between the services and the edges of the structure. Plastic pipework needs to be sealed with CharCoat Intu Sealant or sleeved with Insulated Fire Sleeves prior to installation of the coated panel system.

The CharCoat Intu Sealant is used as an adhesive on the edges of the panel to form a barrier with surrounding structure. All joints in the barrier are pointed in with CharCoat Intu Sealant to form a monolithic layer. The CharCoat CC Coating is largely used to make good any damaged coating or for a more aesthetic finish. In plasterboard partitions, the panel must be fitted to both sides of the wall to fire protect the studs. The panels can be fitted by either a pattress fix or by being cut into openings. For large floor openings we would advise using CharCoat FS Mortar (see technical data sheet).

CharCoat FS Panel will not allow fibre migration as all exposed edges of mineral fibre are encapsulated with CharCoat CC

Install CharCoat FS Panel to provide up to 4 hours fire rating to all service penetrations passing through all fire rated walls. Installation to be fully in accordance with manufacturer's instructions.

CLEANING

App materials can be cleaned with water only.

HEALTH AND SAFETY PRECAUTIONS

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

PACKAGING

- Pallet of 50 Panels

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, Panels 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 Panel	up to 4 hours (single Panel)
APPROVALS	DESCRIPTION
BS476, Part 20/22	CharCoat FS Panel - Up to 4 hours (single Panel 1200 x 600 x 500mm Precoated)



Head Office

PO Box 18112, Port Moody BC V3H 4H2 Canada
Tel:+1 604 941 1001 | mail@charcoat.com

Partners:

Australia | Indonesia | Malaysia | Thailand | South Africa | Saudi Arabia | China | Mexico

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.