

BRITCHEM GRAPHITE PRESSURE EXERTING MASTIC

DESCRIPTION

BritChem Graphite Pressure Exerting Mastic is an intumescent firestop sealant that helps to prevent passage of fire and smoke. It is intended for use in service penetrations passing through fire rated walls and can provide up to 4 hours integrity and insulation when used correctly. It is a water based acrylic resin formulation that quickly dries on application to a flexible and cohesive sealant. It is smoke, gas and water resistant, halogen free and being water based, easy to clean up.

APPLICATIONS

Designed for the sealing, in combination with mineral wool, of small to medium size penetrations of pipes and single or bunched cables in openings up to 300 cm².

It can be used with plastic pipes, uninsulated and insulated metal pipes and bunched or cable tray supported cable penetrations.

It can also be used for filling fissures and gaps in firewalls and floors. The dry mastic is paintable.

FIRE TESTING

Tested in accordance with BS EN 1366 Part3 up to EI 240.

TECHNICAL DETAILS

Colour:	Graphite	
Specific gravity:	1.46 - 1.54	
Skinning time (23°C/50%RH):	15 - 30 mins	
Cure time (23°C/50%RH):	3mm/24hr depending on joint size and situation	
Movement capability:	+/- 12.5% (when cured)	
Shore A hardness	Approx. 60	
Activation temperature:	Approx. 150°C	
Application temperature:	5°C to 40°C	
Service temperature:	-10°C to +80°C	
Expansion factor (ASTM E2786-10):	6.9	
Shelf life:	Min. 12 months when stored in unopened containers as recommended	
Expansion Ratio:	24 Standard	5+
	24-1 HExp(High Expansion)	16+
	24-2 Extrudable	25+

FIRE RATING

Component type	Depth of sealant	Annular clearance	Integrity (mins)	Insulation (mins)
Up to 55mm diameter plastic pipe	2 x 40mm	20 - 30mm	240	240
Up to 80mm diameter metal pipe	2 x 40mm	20 - 30mm	240	-
Up to 70mm diameter cable bunch	2 x 40mm	20 - 30mm	240	240
100mm cable tray	2 x 40mm	25mm	240	240

APPLICATION INSTRUCTIONS

Clean the penetration opening so that it is free of dust, grease and any loose material. Cable trays and pipe supports must be installed according to building regulations.

Pack non-flammable mineral wool into the penetration opening around the cables/pipes, leaving 40mm depth at either surface. Apply BritChem FR35 Graphite Pressure Exerting Mastic to completely fill the 40mm surface voids. Trowel in firmly to ensure the mastic is packed into gaps between cables etc. The surface of the mastic can be smoothed with a wet spatula immediately after application.

STORAGE

Store in cool dry conditions. **PROTECT FROM FROST.**



BritChem Ltd

Unit 6. Beehive Business Park, Smithies Lane, Heckmondwike. WF16 0NF

T: +44 (0)1924 412000 E: sales@britchem.co.uk

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HEALTH AND SAFETY

Safety Data Sheets (SDS) available upon request. The SDS provides information and advice on the safe handling, storage, disposal of chemical products, physical and other safety-related data.

KEEP AWAY FROM CHILDREN AND ANIMALS.

FURTHER INFORMATION

The information given in this product data sheet is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.



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