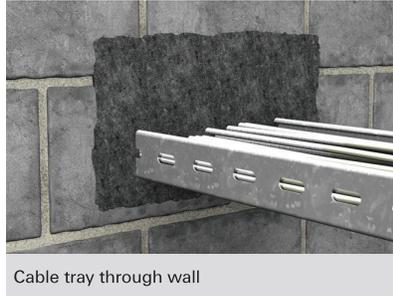


High performance intumescent graphite fire resistant mastic

2
Products



Cable tray through wall



Non-metallic pipes

BUILDING MATERIALS

- Concrete
- Masonry
- Steel
- Timber

ASSESSMENT/APPROVAL



British Standard
BS 476 - 20

BS EN 1026

BS EN ISO 140-3:1995

BS EN 1366-3: 2004



Approved CF 5151



FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings. FBC™, FlowGuard Gold®, BlazeMaster® and Corzan® are licensed trademarks of The Lubrizol Corporation

ADVANTAGES

- Low VOC
- Excellent acoustic properties
- Halogen and solvent free
- Excellent slump characteristics

APPLICATIONS

- Metallic pipes: 6" (159 mm)
- Non-metallic pipes: 5" (125 mm)
- Cable bunches: 1" (21 mm)
- Insulated service: 6" (159 mm)
- Construction joints: 1" (25 mm)
- Mixed services

FUNCTIONING

- FiGM is a one-part water-based flexible acrylic emulsion containing a high pressure intumescent graphite, which is used to seal service penetrations in both vertical and horizontal applications.
- It can expand up to 20 times its own volume and cures to form a resilient, flexible fire seal.



INSTALLATION

1. Clean all contact surfaces so they are free from loose debris and contaminants.
2. Install the required backing material as per the detailed instruction or approved system.
3. For best application results, FiGM should be at room temperature.
4. Apply FiGM to required parameters as per detailed instruction or approved system, making sure that it is in contact with all surfaces to provide maximum adhesion.
5. Tool sealant to a defect-free finish using a wetted towel or putty knife.
6. Clean all equipment with water immediately after use.

SPECIFICATIONS

Item	Art.-No.	Languages on the cartridge	Contents [ml]	Suitable for use with	Sales unit [pcs]
FiGM 310 ml	508765	DE, FR, EN, IT	310	–	25
FiGM 310 ml	538147	TR, PT, ES, NL	310	–	25
FiGM 310 ml	538148	PL, SK, CZ, HU	310	–	25
FiGM 310 ml	538149	DK, FI, SE, NO	310	–	25
KP M2	053117	–	–	FiAM 310, FFRS 310, UFS 310, FiGM 310	1

TECHNICAL DATA

Form	Aqueous thixotropic paste
Density	Ca. 1.3g/cm ³
Cure rate	1.7 mm per 24 hours dependent on conditions
Application temperature	+5 °C to +35 °C
Tack free	30 minutes
Cure system	Water-based
U.V. resistance	Good
Expansion onset temperature	Ca. 180 °C
Expansion	Up to 20 times
Skimming time	15 minutes at 25 °C / 50 % RH
Service temp range	Store in cool dry conditions between ±5 °C and ±25 °C
Sound transmission (Rw partition and specimen)	64 dB
Shelf life	Up to 18 months unopened
European Technical Approval	ETA 14/0381
CE marking	1121-CPR-JA5047
Chemical and water resistance	The cured sealant is unaffected by water, dilute acids and alkalis, soap and household detergents. Contains a plasticised acrylic polymer, fire retardant fillers, blowing agents and mirror additives. No component labelled as dangerous under EEC directives criteria.

APPLICATION DATA

Services		Fire ratings (minutes)	
Types	Sizes	Integrated rating	Insulation rating
PVC pipe	Up to 125 mm diam.	120	120
HDPE pipe	Up to 90 mm diam.	120	120
ABS pipe	Up to 90 mm diam.	180	120
Insulated copper pipe	Up to 60 mm diam. pipe + up to 32 mm insulation	180	120
Cables	Up to 21 mm diam. x bunches 10 max	120	120
Mixed	Up to 63 mm diam. HDPE + 21 mm diam cables x 10	120	120

Minimum wall thickness = 100 mm