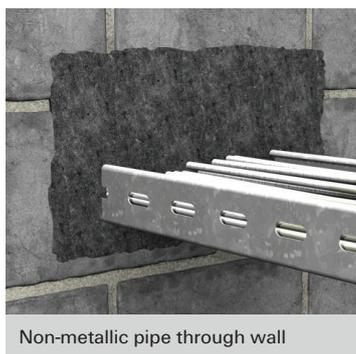


## High performance Intumescent graphite fire resistant Mastic



### APPLICATIONS

- Metallic Pipes - 159mm (6")
- Non-Metallic pipes - 125mm (5")
- Cable Bunches - 21mm (1")
- Insulated Services- 159mm (6")
- Construction Joints 25mm (1")
- Mixed Services

### ADVANTAGES

- Low VOC
- Excellent acoustic properties
- Halogen & solvent free

### APPROVALS



Air Permeability Test Method

The laboratory measurement of airborne sound insulation of building elements

### BUILDING MATERIALS

#### Suitable for:

- Concrete
- Masonry
- Steel
- Timber

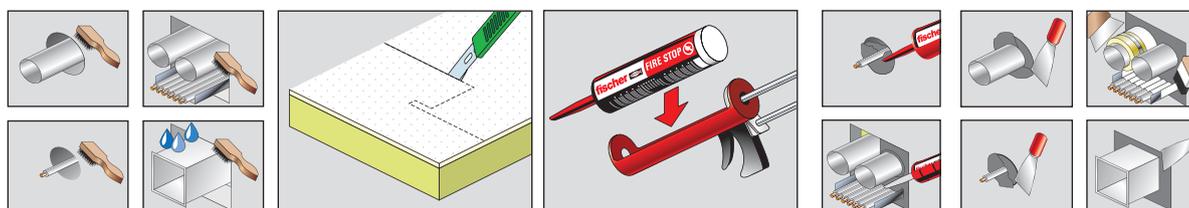
### DESCRIPTION

- fischer Intumescent Graphite Mastic 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.
- Tested to both BS 476 & BS EN1366-3 /4 the fischer FiGM is also ETA approved and CE Marked for a wide range of applications such as, non metallic pipes, metallic and insulated pipes, cables and cable bunches, as well as construction joints.
- The fischer FiGM can expand up to 20 times its own volume and cures to form a resilient flexible fire seal, it exhibits excellent slump properties and is formulated to be halogen and solvent free.

### INSTALLATION

**Firestop material must be installed in accordance with detailed instructions or the approved system.**

- 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 - fischer FiGM should be at room temperature
- 4 Apply fischer 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 trowel or putty knife
- 6 Clean all equipment with water immediately after use



## SPECIFICATIONS

Description	Article No.	Size [ml]	Qty. Per Box
<b>FiGM</b>	508765	310	25
<b>KP M2 Applicator Gun</b>	53117	-	1

## TECHNICAL DATA

Form	Aqueous thixotropic paste
Density	Ca. 1.3g/cm <sup>3</sup>
Cure Rate	1.7mm per 24 hrs dependent on conditions
Application temperature	+5° C to +35° C
Tack Free	30mins
Cyre System	Water based
U.V. Resistance	Good
Expansion onset temperature	Ca. 180° C
Expansion	Up to 20 times
Skining Time:	15 minutes at 25° C / 50 % RH
Service Temp Range:	Store in cool dry conditions between ±5° C and ±25° C
Shelf Life:	18 months unopened
European Technical Approval	ETA 14/0381
CE Mark	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 minor additives. No component labelled as dangerous under EEC directives criteria.

## APPLICATION DATA

The following dimensions must be observed when using fischer FiGM

Services		Fire Ratings (Minutes)	
Types	Sizes	Integrated Rating	Insulation Rating
<b>PVC pipe</b>	Up to 125mm diam	120	120
<b>HDPE pipe</b>	Up to 90mm diam	120	120
<b>ABS pipe</b>	Up to 90mm diam	120	120
<b>Insulated copper pipe</b>	Up to 60mm diam pipe + up to 32mm insulation	120	120
<b>Cables</b>	Up to 21mm diam x bunches 10 max	120	120
<b>Mixed</b>	Up to 63mm diam HDPE + 21mm diam cables x 10	120	120

Minimum wall thickness = 100mm

## ADDITIONAL INFORMATION

Note: Please refer to SDS for further information

### Recommendations

1. Can be used in conjunction with a suitable backing material as approved in detailed instruction or approved system
  - i) Non-flammable mineral wool (min. 60 kg/m<sup>3</sup>)
  - ii) PE backing rod 35 kg/m<sup>3</sup>
  - iii) fischer FireStop Foam

### Storage

1. Storage temperatures between +5°C and +25°C
2. Store away from heat sources
3. Keep container closed until use
4. Monitor expiry date on tube