

## A heat-reactive, intumescent acrylic fire barrier mastic for internal use around services.

### Description

An aqueous acrylic fire barrier mastic for internal use, containing inert fillers and graphite.

Maximum diameter 125 mm combustible pipe seals, up to 60 mm insulation wall thickness, 60 mm annular space around cables or large preformed slots in walls floors forming cable tray/basket openings.

### Dimensions and Colour

Tube size: 310 ml

Colour: grey.

Tack free time 60 to 120 minutes depending on temperature/humidity.

### Fire Testing

- Tested at Exove BM Trada to BS EN 1366 Pt 3. 240 minutes fire integrity and insulation

### Typical Applied Depths

- 25 mm in openings 150% of combustible pipe/conduit size
- 25 to 50 mm within Firetherm Intubatt
- 25 mm direct within plasterboard annular spaces
- 30 mm within conduits
- 10-25 mm around all insulation types, up to 50 mm wall thickness

### Features

- Fully tested to four hours fire protection
- Low smoke and non-hazardous
- Tested within single skin partitions
- For use in both walls and floor

### Applications

An intumescent pressure exerting mastic used to fire seal combustible pipework up to 90 mm diameter and for sealing around cable trays, cables and within cast in plastic or steel conduits or around Insulation whilst providing up to two hours fire protection.

### Installation

Install Intumastic HP in full accordance to installation details provided by Firetherm. Product will expand 52 times by volume. Reaction commences at 130°C.

1. Read the Intumastic HP safety data sheet instructions before starting work.
2. Ensure opening size corresponds to 150% of the pipe combustible size.
3. Cut the end of the tube and trim the nozzle to size required.
4. Force Intumastic HP well into the joint ensuring the correct depth of seal, backing material and sides of the joint are well covered.
5. Tool off to a good finish using a wet trowel.

### Coverage

10 mm wide seal - 3.25 m approx.  
15 mm wide seal - 1.35 m approx.  
20 mm wide seal - 0.78 m approx.

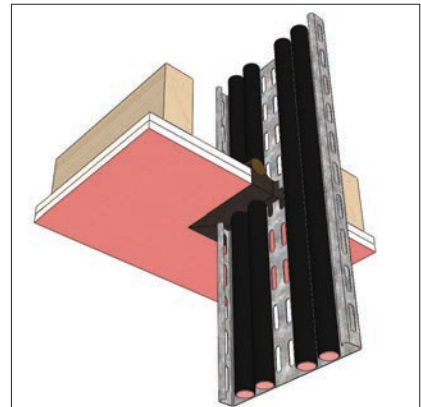
Or use formula:

$$\frac{\text{Gap width mm} \times \text{sealant depth mm} \times \text{linear metres}}{310 \text{ ml}}$$

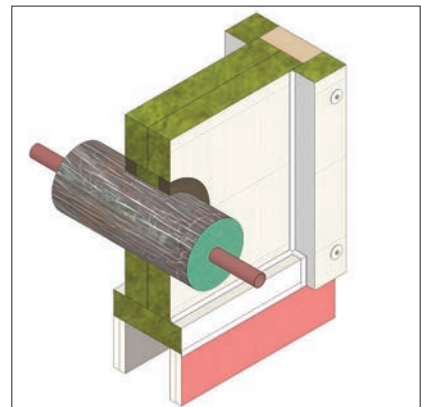
For example:

$$\frac{10 \text{ mm gap} \times 10 \text{ mm} \times 100 \text{ metre run}}{310 \text{ ml}} = 32.25 \text{ tubes}$$

### Typical Details



Dry lined ceiling with Intumastic cable tray



Phenolic insulated pipe and Intumastic HP in batt