

# Passive Fire Protection



## FIREWISE ACOUSTIC INTUMESCENT MASTIC

Halogen free, polymer emulsion based sealant

### DESCRIPTION

Firewise Mastic is a halogen free, polymer emulsion-based sealant that swells when subjected to temperatures in excess of 125°C and forms a char coat that restricts the passage of smoke and fire. It is easily applied and dries to a flexible and smooth surfaced material which provides movement capability in fire rated linear joint and penetration seals. It has excellent adhesion to a wide range of substrates and will not harden or crack with age.

### APPLICATIONS

Firewise Mastic forms a fire and smoke seal in joints up to 35mm wide without slumping. It is ideal for sealing joints in and around internal partitions, where flexibility may be required. Linear gap seals. Vertical or horizontal at head or foot of wall. Penetration seals around metal pipes. If the sealant is to be overpainted, building regulations may require a fire resistant coating.

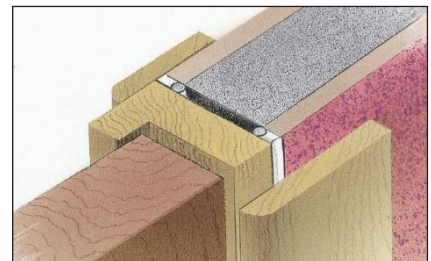
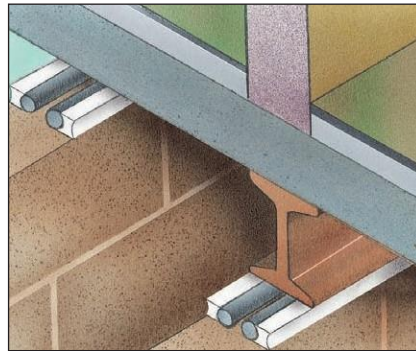
### APPLICATION INSTRUCTIONS

To achieve a high quality joint, clean all surfaces, remove dust and ensure surfaces are dry. Non porous surfaces should be degreased using a suitable degreasing agent. Highly porous surfaces should be sealed with a suitable primer. For a cleaner finish apply masking tape to each side of joint and gun sealant firmly into joint, smoothing off with a wetted spatula. Masking tape should be removed within 10 minutes of application.

### SPECIFICATION COMPLIANCE

Firewise Mastic has been independently tested to the following assessments:

Fire tested to the requirements of BS EN 1366-3 and BS EN 1366-4 (linear gap and penetration seals) and also successfully tested to the requirements of ETAG 026 Part 2 & 3 to demonstrate durability. (Appendix A) -Classification of fire resistance data from test report FIRES-CR199-16AUPE in accordance



with EN13501-2 2007 +A1 2009 when tested as penetration seals around pipe and cables according to - EN 1366-3 in a flexible wall. BS 476: Part 22: 1987 Chiltern International Fire test reports RF99109, RF00011 & RF00019

BS EN 1634-1 2014 + A1 2018-FD30 & FD60.

BS EN ISO 10140-2. 2010 Measurement of Airborne Sound Insulation of Building Elements. University of Salford reports 2612-76;77 and 79 to 81. The sealant maintained the integrity of a plasterboard partition wall with a Sound Reduction index of 55db. VOC test report classification – M1 and indoor Air Comfort Gold®

### LIMITATIONS

Firewise Mastic is not suitable in joints where movement exceeds + or - 15% of joint width, or in external joints.

### COVERAGE

1 tube is sufficient to produce approx. 1m using a 20mm x 15mm bead.

### AVAILABILITY

Available in: 310ml tubes, 25 per box. Colours: White, Brown or Grey

### STORAGE

Store in cool dry conditions. PROTECT FROM FROST.

### TECHNICAL DETAILS

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Movement Accommodation	+ or – 12.5% Conforms to ISO 11600 F 12.5P
Skinning Time	15 minutes to 1 hour depending on conditions
Cure Time	5 to 15 days for 15mm x 20mm bead
Hardness Shore A	35-45
Tensile Strength (100%)	0.2 MPa
Paintability	with most paints when cured
Application Temperature	+ 5°C to 40°C
Cleaning	Uncured sealant with water
Shelf Life	minimum 24 months in unopened containers
Specific Gravity	1.60 - 1.68