



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 is readily over paintable. 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, lap joints in fire-rated cladding and for sealing between fire doors and fire-rated walls. It is recommended that a sealant depth of at least 15mm be applied. If the sealant is to be overpainted, building regulations may require a fire resistant coating.

APPLICATION INSTRUCTIONS

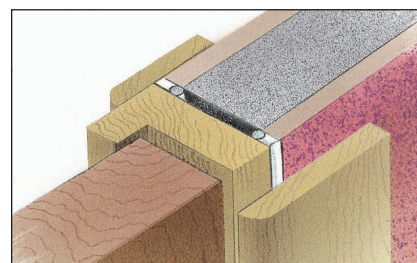
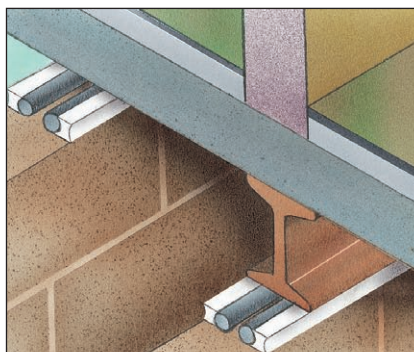
To achieve a high quality joint, clean all surfaces, remove dust and ensure surfaces are dry. Non porous surfaces should be degreased using a suitable degreasing agent. Highly porous surfaces should be sealed with a suitable primer. Apply masking tape to each side of joint and gun sealant firmly into 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:

BS EN 1366-3: 2004 & BS EN 1366-4: 2006 Tested at Bodycote Warrington-Fire, report No. 173658A achieving 4 hour integrity and insulation rating for a range of linear and penetration seals.

An indicative fire test based on BS476 Part 20 at Warrington Fire Research and achieved a 4 hour fire rating (integrity)



for a range of vertical and horizontal joints up to 35mm wide between various non-combustible construction materials. A 1 hour fire rating (integrity) was achieved for a range of vertical joints up to 25mm wide between combustible materials (timber).

Naval Engineering standard test NES 711, issue 3 and achieved an average toxicity index of 0.44.

Sound tested for acoustic performance values and achieved values of between 46 and 55 dBA indicating the sealant should uphold acoustic performance requirements of most normal partitioning systems.

The product has also been tested by Warringtonfire for the requirements of London Underground specification LUL1042 for toxicity smoke emission and oxygen index. The results are below the limit required by London Underground Ltd.

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. 4m using a 12mm x 6mm bead.

AVAILABILITY

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

STORAGE

Store in cool dry conditions. PROTECT FROM FROST.

TECHNICAL DETAILS	
Movement Accommodation	+ or - 15%
Skinning Time	15 minutes to 1 hour depending on conditions
Cure Time	5 to 15 days for 15mm x 20mm bead
Hardness Shore A	25-30
Temperature Resistance	-20°C to + 70°C
Paintability	with most paints
Application Temperature	+ 5°C to 40°C
Cleaning	Uncured sealant with water
Shelf Life	minimum 12 months
Specific Gravity	1.62 - 1.66