



INTUMESCENT MASTIC - Installation Guide



Introduction

The purpose of this document is to give guidance to approved contractors and suppliers who are engaged in the fire stopping of service penetrations in fire rated structures using the Astro FRA Mastic .

All service holes through floors and compartment walls must be fire stopped to prevent the passage of fire, smoke and hot gases.

- Prevent The Spread Of Fire, Smoke And Hot Gases Through A Building By Containing It In The Compartment Of Origin.
- Maintain The Integrity Of Escape Routes From A Building.
- Reduce Loss Or Damage To Property From The Effect Of Fire And Smoke.
- Maintain Pressure Differential Between Compartments And Ventilation Channels.

THE ASTRO Intumescent Fire And Acoustic Mastic SYSTEM

ASTROflame Intumescent fire and acoustic mastic is a water based acrylic composition designed to provide fire barrier including smoke seal for gaps up to 25mm within a structural floor or wall with different substrates.

The finished product remains flexible between -20oC to 70oC and in the presence of fire the mastic seal expands to form fire and smoke barrier up to 4 hours.

The advantages of the Astroflame Acrylic Mastic are as follows:-

- Suitable For Indoor And Outdoor Environment Without Additional Protection
- Not Affected By Fungus, Vermin Or Rodent .
- Long Life And Easy To Use
- Acoustic Isolation

Product Data

Resistance To Slump: 25mm x 25mm Depth At Ambient Temperature
Tack Free: 6 hours
Total Movement: Low To Medium. 8 % In Butt Joints
Application Temperature: 5°C To 45°C
Service Temperature: -20°C To 70°C
Adhesion: Excellent To Many Common Building Surfaces
Fire Barrier: 4 Hours To BS 476 Part 22

Availability

310ml Cartridge packed 12 or 25 per box
Colour: Off White, Brown, Grey

Installation

Do not apply mastic if ambient temperature is below 5 ° Celsius.

All surfaces should be clean, dry and free from frost, grease and any other contamination. It should not be used on substrates that bleed oils, plasticisers or solvents.

Minimum depth of seal should be at least 10mm. Gaps over 10mm width, insert a backing foam using a minimum of 24Kg/M2 density of polyethylene foam, fire retardant PU or mineral fibre board of 140Kg/M2 density. Apply mastic within gap so that the gap to depth ratio is the same.

Masking tape should be used where protection to substrate is important, this should be removed immediately after tooling off, (ensure that air bubbles are excluded and that an acceptable surface finish is obtained).

Where ever possible use a suitable backing material to ensure the correct depth of material has been applied

Ensure records of all installations are kept.

Compliance

Astroflame FRA Mastic is manufactured in the EU, meeting the highest quality standard in compliance with ISO EN 9001:2000. For fire test certification contact Astroflame Fireseals technical department.

Fire Test Or Assessment Reports

BS standard 476 part 22 and ISO 834

Storage And Disposal

Astroflame FRA Mastic should be stored indoors - shelf life given is 12 months from date of supply

For additional testing, certification or technical information please contact ASTROFLAME FIRESEALS LTD.

Issue 01/03

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