

# Product Data Sheet

## Astro LST Mastic

Revision 2 - July 2018



## Astro LST Mastic

### Low Smoke & Toxicity Intumescent Mastic Sealant

- Designed for use within enclosed areas such as tunnels and London Underground stations.
- Tested for passenger carrying train systems to BS6853:1999 and LUL approved
- Low smoke and toxicity levels.
- Fire resistance testing to EN 1366-3 EI 120, EN 1366-4 EI 240 and BS 476 300mins.
- Tested BS 6853:1999 D8.3: Smoke Ao (max)
- Fire Classification to EN 13501-2.
- Acoustic Isolation to EN 10140 to 48dB.
- Air Permeability testing to EN 1026 to 600Pa.
- Mechanical Adhesion and Tensile testing to EN ISO 8039 & EN ISO 9046.
- Tested BS 6853:1999 B.1: Toxicity R value



#### Product Description

A one part intumescent acrylic sealant designed to resist the passage of fire, by forming a char that prevents the passage of fire and smoke, while maintaining excellent low smoke and toxicity levels.

Astro LST Mastic is halogen free and does not emit halogenated by-products under fire conditions.

High performance 5 hour fire rating. Joint movement capability of +/- 12% .

Highly flexible and water resistant it has good unprimed adhesion to a wide variety of common building substrates.

Tested in Block Wall, Concrete, Masonry and Plasterboard Partition. Tested in Concrete Floors.

Tested in Linear Joints up to 50mm wide. Tested in large service openings up to 490 x 150mm.

Tested with Metallic Pipes, Cables, Cable Bunches and Cable Trays.

Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components.

In normal use it maintains the sound reduction index of a structure.

Mould resistant.

This sealant contains no raw materials known to have an estrogenic effect in the environment

Properties	
Slump	0-5mm After 1hr in 30mm Joints
Shrinkage	Approximately 12%
Cure Rate	3mm Per day at 50% Relative humidity 23°C
Shore A Hardness	50
Application Temperature	+ 5°C to + 30°C
Tack Free	15 mins at 23°C , 50 RH
Joint Movement	+ 12% of Original Size
Fire Resistance	EN 1366-3 EI120 , EN 1366-4 EI240 & BS476 300mins
insulation	EN1366-3 & EN1366-4 120mins
Smoke & Toxicity	BS 6853 , ISO 4589
Air Permeability	EN 1026 to 600Pa 100Pa 11.1/2.8m <sup>3</sup> /h/m <sup>2</sup>
Classification	EN 13501-2 , ISO 11600

Astro LST Mastic is not affected by an outdoor environment. However, for long term storage and ease of installation, it is recommended that it should be stored indoors ideally in dry frost free conditions above 0°C and below +30°C.

#### Product Availability

The Astro LST Mastic Comes Only in White

Product Code	Product Description	Size
AFIMLST	Astro LST Mastic White	310ml

#### To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / sizes  
 Typical example:- 10 / AFIMLST / Astro LST Mastic / 310ml

>> Tel: [01329 844 500](tel:01329844500) or >> Email: [sales@astroflame.com](mailto:sales@astroflame.com)

#### Installation

Please see installation sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)  
 or E: [sales@astroflame.com](mailto:sales@astroflame.com)

#### Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)  
 or E: [sales@astroflame.com](mailto:sales@astroflame.com)

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