

INTUMESCENT MASTIC - Installation Guide



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 6mm. 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.

Packaging	310ml cartridges 25 / 12 per box		
Colour	White, Grey or Brown (other colours by request)		
Slump	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		
Water Resistance	Good when fully cured		
U.V Resistance	Good		
Joint Movement	±20% of original joint size		
	Reference Wall	Wall with Single Seal	Wall with Double Seal
Average SRI (100 – 3150Hz)	44.4dB	42.9dB	45.1dB
Weighted SRI, Rw Index	47dB	46dB	48dB
STC Rating	47dB	46dB	48dB

Fire Test or Assessment Reports

Fire resistance: EN 1366-3 EI 120, EN 1366-4 EI 240 and BS 476 300 mins.

Fire Classification to EN 13501-2.

Acoustic Isolation to EN 10140 to 48dB.

Air Permeability testing to EN 1026 to 600Pa - 100Pa 0.0/0.0 m3/h/m2.

Mechanical Adhesion and Tensile testing to EN ISO 8039 & EN ISO 9046.

CERTIFIRE No. CF517

Storage and disposal

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.

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

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