

Product Data Sheet

Astro FR Silicone

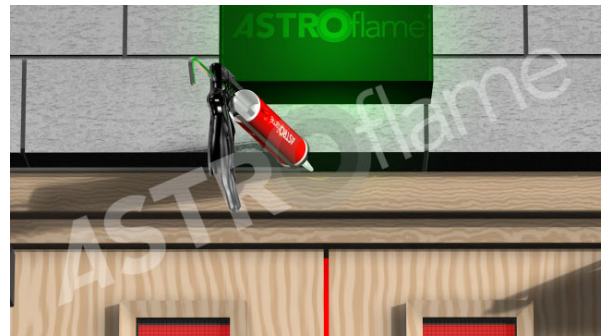
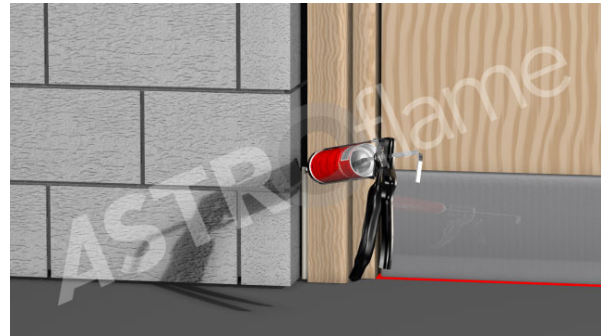
Revision 3 - July 2018



Astro FR Silicone

Fire Rated Silicone Sealant

- Fire resistance testing to EN 1366-4 EI 240 and BS 476 240mins.
- Fire Classification to EN 13501-2.
Acoustic Isolation to EN 10140 to 38dB.
- Air Permeability testing to EN 1026 to 600Pa.
Weathering testing to ISO 11431.
- Fire rated up to 4 hours in both horizontal and vertical joints.
- Can be used in joints up to 60mm wide.
- Causes no known deleterious effects to plastic pipes, plastic cables, sheathing or metallic components.
- Can be used internally and externally.



Product Description

Astro Fire Rated Silicone is a high performance sealant for use in fire sealing joints and gaps up to 60mm wide.

A neutral curing, odourless fire rated silicone sealant with excellent weatherability and flexibility.

The sealant is primerless and offers a 4-hour fire rating to EN1366-4 and BS476 part 20 & 22 and up to 4 hours integrity with a life expectancy of over 30 years.

Other features include

Non-slump, easy to apply and tool off.

Joint movement capability of +/- 25%.

Highly flexible and waterproof.

Resists fungi and vermin.

Application and Performance Data

This one-part fire rated sealant has excellent adhesion to porous and non-porous substrates and can be used for fire protection sealing of curtain walling, building facades, expansion joints, door frames and block work walls etc.

Performance Data for FR Silicone Sealant

Packaging	310ml Cartridges / 600ml foils
Colour	White
Slump	Nil at joints up to 30mm
Shrinkage	Approximatley 5%
Cure Rate	3mm per day at 50% relative humidity 25°C
Shore A Hardness	16
Application temperature	+5°C to +40°C
Tack Free	20 mins at 25°C, 50% RH
Water Resistance	Waterproof when fully cured
U.V. Resistance	Samples exposed in a UV chamber according to ISO 4892-3
Joint movement	25% of original joint size
Elastic Recovery	>90%
Fire Resistance	EN 1366-4 EI 240, BS 476 240mins
Air Permeability	600Pa EN 1026 - 100Pa 2.8/5.6 m ³ /h/m ²
Classification	EN 13501-2, ISO 11600
Acoustic Isolation	BS EN ISO 10140-2
Weathering	ISO 11431 - 250 cycles each 120 minutes / 102 mins of the cycle dry at 65°C lights at 550W/m ² over a wavelength of 290 - 800nm / 18 minutes wet, immersion, light off. Water to be at 25°C

Product Availability

Astro FR Silicone Sealant is supplied in rigid 310ml cartridge format for use with an applicator gun.

Product Code	Product Description	Size	Colour
AFFRSW	Astro FR Silicone	310ml cartridge	White

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Colour
 Typical example:- 10 / AFFRSW / Astro FR Sealant / White

>> Tel: [01329 844 500](tel:01329844500) or >> Email: 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

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

Fire Test or Assessment Reports

- Fire resistance testing to EN 1366-4 EI 240 and BS 476 240mins.
- Fire Classification to EN 13501-2. Acoustic Isolation to EN 10140.
- Air Permeability testing to EN 1026 to 600Pa.
- Weathering testing to ISO 11431.
- FR Silicone is manufactured in the EU, meeting the highest quality standard in compliance with BS EN ISO 9001:2015.
- For specific fire insulation ratings contact Astroflame

Fire Test or Assessment Reports

- Fire Rated Silicone contributes to a Green Building:-
- Low VOC (air quality).
- No Power Tools required for installation (no energy source required).
- Dust free.
- Smoke and Air Tightness.
- Noise Reduction.
- Thermal Insulation.
- Recycling of Packaging.
- Avoidance of Air Filtration.
- Does not emit halogenated by-products.
- Contains no raw materials known to have an estrogenic effect.
- The life cycle of FR Silicone is over 30 years.

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