

Product Data Sheet

Astro FR Silicone

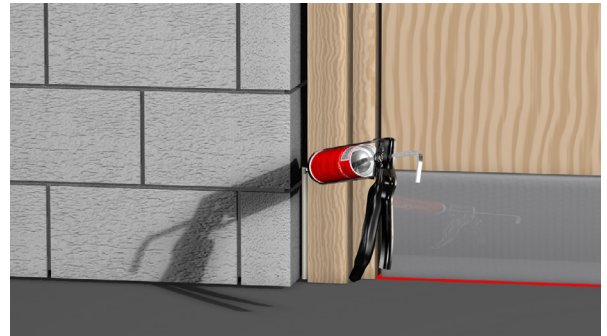
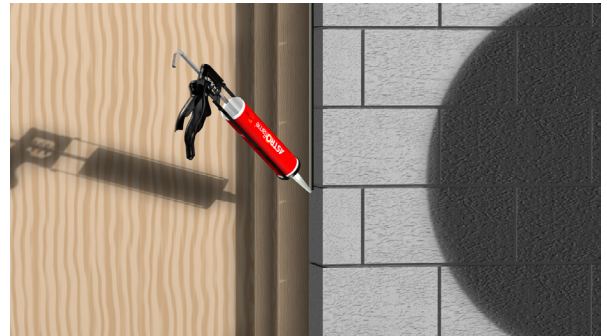
Revision 6 - 6th February 2019



Astro FR Silicone

Fire Rated Silicone Sealant

- Tested in accordance with EN 1366-4 : 2006.
- Fire Classification to EN 13501-2.
Acoustic Isolation to EN 10140.
- Air Permeability testing to EN 1026.
- Can be used in joints up to 50mm wide.
- Causes no known deleterious effects to plastic pipes, plastic cables, sheathing or metallic components.
- Can be used internally and externally.
- Movement capability - / + 25%



Product Description

Astro Fire Rated Silicone is a high performance sealant for use in fire sealing joints and gaps up to 50mm 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 EN 1366-4 : 2006 and up to 4 hours integrity with a life expectancy of over 25 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

General Characteristics	Inspection Method	Value
Product Data (uncured)		
Density (S.G)	ISO 1183-1 A	1.5
Appearance		Paste
Resistance to flow	ISO 7390	non-sag
Extrusion rate - volume flow at 23°C		150ml/min
Skin Forming time at 23°C/ 50% r.h		25 min
Product Data (after curing)		
Tensile strength	ISO 8339	0.60 N/mm ²
Elongation at break	ISO 8339	300%
Modulus at 100% elongation	ISO 8339	0.40 N/mm
Hardness Shore A	ISO 868	25
Movement capability	ISO 11600	25%
Tear Strength	ISO 3451-1 (Method C)	4.0 N/mm ²
Operating Temperature °C		-5 to 150

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

- Tested in accordance with EN 1366-4 : 2006.
- Fire Classification to EN 13501-2. Acoustic Isolation to EN 10140.
- Air Permeability testing to EN 1026.
- 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

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