



## Fire Resistant Silicone Sealant



- Up to 4 hours fire protection in joints up to 40mm wide
- Allows high movement capability (30% of joint size)
- Durable in joints between dissimilar substrates (e.g. masonry to steel)
- 3rd Party Certificated and tested according to EN 1366



### Application

Fire Resistant Silicone Sealant is a one part neutral cure silicone which has excellent unprimed adhesion to most building surfaces and is designed to be used in joints with high movement capability or where they are formed between dissimilar substrates (e.g. steel and masonry). Tested in accordance with BS EN:1366-4, Silicone Sealant provides up to 4 hours fire protection.

### Description

Fire Resistant Silicone Sealant is a high specification, extruded from a cartridge loaded into a standard sealant gun. The depth of the joint will depend on the gap to be filled and the fire rating required (see fire rating).

All surfaces must be thoroughly clean and free of bond breaking contaminants prior to application of the sealant. No priming is required for most construction substrates, however, it is recommended that a small area be tested on substrates.

### Technical details

Base	Neutral cure silicone
Colour	White
Dry to Touch	About 120 minutes at 20°C/65% RH
Drying Time	Approx. 2mm/ 24hr
Density	1,2 kg/ltr
Service Temperature Limits	20°C to +140°C
Packaging	310ml cartridges
Storage	Store and apply between 40°F (4°C) and 100°F (38°C), protect from freezing until dry.

Joint Size	Sealant Depth	Backing Material	Dimensions	Seal	Integrity	Insulation
15mm	10mm	PE	25mm diameter	Single	240 mins	120 mins
	10mm	Mineral wool	15mm thick x 10mm depth	Dual	240 mins	240 mins
25mm	15mm	PE	30mm diameter	Single	240 mins	120 mins
40mm	25mm	Mineral wool	40 x 25mm depth	Dual	240 mins	240 mins

### Installation Instructions

Fire Resistant Silicone Sealant is used to seal gaps of up to 35mm in block wall, partitions and door frames and can provide a seal with up to a 4 hour fire rating.

Fire Resistant Silicone Sealant is intended to provide a seal with a high degree of movement capability (+/- 25%) or between dissimilar substrates which have differing thermal expansion coefficients leading to stretching of seals.



### Installation

1. Do not apply the sealant when site temperatures are below 5°C or above 35°C as adhesion will be impaired.
2. Remove all loose debris, oil and grease from the joint. Ensure the joint is clean and dry.
3. Mask the adjacent surfaces to the joint.
4. Ensure that the joint is filled using an appropriate backing material for the fire rating required (consult technical data sheet for details).
5. Evenly apply the sealant in 12.5mm high sweeps. Larger gaps may need to be built up in several applications.
6. Tool off to a smooth finish.
7. Remove masking.
8. Clean off tools with warm water and soap.
9. Water based paints cannot be applied over this seal.

### Health & Safety Instructions

- General: PFC Corofil Fire Rated Silicone Sealant is a one part Alcoxy Cure Silicone.
- Eye Contact: The product may cause irritation or inflammation. Goggles should be worn to minimise exposure to the product. If the product enters the eyes, hold the eyelids apart and irrigate with clean fresh water.
- Skin Contact: The product may cause irritation to sensitive skins. Protective overalls and gloves should be worn to minimise exposure. If irritation occurs then wash the affected area thoroughly with soap and water.