

Fireseal

Fire Resistant Silicone

Product Description:

Fireseal Silicone is a superior fire resistant silicone joint sealant combining the performance characteristics of a mid-modulus silicone with the unique property of resistance to fire. Fireseal will resist the passage of fire for up to four hours depending upon application. The product has the added benefit in that in a fire situation it emits an extremely low level of toxic fumes and it does not smoke to an appreciable extent. Fireseal is therefore the ideal product for use in public areas, mass transit systems and fire escape routes.

Areas of applications:

Fireseal has excellent adhesion to a wide range of substrates including masonry, will not slump from joints up to 25mm wide and is also suitable for external use. Fireseal Silicone can be used in both movement and non-movement joints i.e. for open butt joints in screens, partitions and structural walls. It has been shown to be effective as a service penetration seal for both metal pipes and cables, particularly where movement is a factor (i.e. hot/cold water pipework).

Features:

- Fire resistant silicone
- High level of certification
- Assessed to BS476: Part 20: 1987 to give up to 4 hours fire resistance
- A safer sealant for use in areas of high population
- Up to 25 years' service life
- Excellent adhesion to a wide range of substrates
- Excellent cold smoke seal
- Internal and external use

Technical data:

Color	White, Grey
Form	Gunnable paste
Specific gravity (density)	1,4 g/cm ³
Skin Formation Time	
- Touch :	Forms a skin within one hour of application
- Through :	48-72 hours (dependent on joint thickness and drying conditions)
Service temperature	Between -40°C to +120°C
Application temperature	Between +5°C to +40°C
Joint dimensions	4 mm to 25 mm
Joint movement accommodation	±%25
Shore A hardness (3s)	24 (DIN 53505)
Modulus %100 elongation	0,40 Mpa (N/mm ²) (DIN53504)
Tensile strength	1,80 Mpa (N/mm ²) (DIN53504)
Elongation @ break	%700 (DIN 53504)
Life expectancy	Up to 25 years
Reaction to fire	Independently tested to the conditions of BS476: Part 20: 1987 to give up to 4 hours integrity in suitable structures

Application:

- Bostik Fireseal Silicone exhibits good adhesion to most building substrates, including brickwork, stone and other porous materials. If a protective lacquer or coating has been used to protect surfaces such as metals, the manufacturer's instructions regarding cleaning and removal should be followed and a trial carried out to ensure

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the adhesion of the sealant. Bostik Fireseal has good adhesion to painted timber provided the paint film is clean and sound and is firmly bonded to the timber.

- Bostik Fireseal exhibits good adhesion to some plastics and rubbers but trials should be carried out prior to use to determine what surface treatment is necessary, if any.
- All surfaces must be sound, clean, dry and free from oil, grease, dust and other loose matter. Loose and friable materials should be removed from porous substrates mechanically. In joints subject to high movement where the substrate is porous, the joint surface should be primed with a silicone primer suitable for porous substrates.
- Cut off the dome at the top of the cartridge, cut the nozzle to the required diameter and then screw it onto the cartridge.
- Insert the cartridge into a skeleton gun and squeeze the trigger until the sealant appears.
- Force the sealant into the joint ensuring that it makes full contact with the sides.
- The sealant surface can be tooled to a smooth finish using a tooling stick or trowel dipped in diluted detergent within 3-5 minutes of application. Do not use a wetted finger.
- Clean application equipment and remove excess uncured sealant with white spirit and cured sealant by abrasion.

Cleaning after the application:

Excellent to most clean, dry surfaces. Wet: White spirit, Dry: Abrasion

Packaging:

In 310 ml plastic cartridges / 12 pcs in one box

Storage:

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The opened products should be consumed immediately.
- Maximum 8 boxes are stacked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

Health and Safety Information

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Safety Data Sheet.

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