

High performance firestop silicone sealant

PRODUCT

Weber silicone FS is a single component high performance gun grade firestop weather sealant based on fire resistant Silicone formulation. The sealant is suitably formulated by using special additives and chemicals. The product is fire resistant, weather resistant, microbial resistant and easy to apply. It effectively seals internal and external joints between construction parts subjected joint movement.

Weber silicone FS helps to protect combustible and non-combustible penetrations for up to 4 hours fire rating. This product can be used for sealing all movement joints up to 50% and restricts the passage of fire and smoke from room to room and to escape routes. Since the sealant is low VOC, it is user friendly and confirms to green building requirements.

ADVANTAGES

- Protects most typical fire-stop penetration applications
- Easy to work with and fast cleanup
- All weather sealant
- Mildew resistant, suitable for wet area application
- Wide service temperature range
- Excellent joint movement capability

SCOPE OF USE

- Cladding and glazing
- Construction movement joints
- Steel, copper and EMT pipes
- Insulated steel and copper pipes
- Cable bundles
- Closed or vented plastic pipes
- HVAC penetrations
- Concrete, masonry, drywall and wood floor assemblies
- Glass, Aluminum sandwich panels, precast and granite claddings
- Wall and floor assemblies rated up to 4 hours

CHARACTERISTICS

Cure system	Neutral
Color	White, Black and Grey
Specific Gravity, (Clear/Black)	1.35
Slump	Nil
Skin form time, @ RT Minutes	10 maximum
Tack free time, @ RT Minutes Appox	30

PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman	Egypt
280 ml	-	280 ml	280 ml	-	280 ml	280 ml	280 ml	280 ml

Application temperature range, °C 5 to 40

Durometer Hardness, Shore A, 6mm thick sealant, 28

Service temperature, °C -50 to 150 approx

Elastic recovery >90

Secant tensile modulus, N / mm² 0.4

Loss of volume, % 8.3

Joint Movement Capability, % 50

APPLICABLE STANDARDS

BS 476 Part 22: 1987 and 2014 for 4 hours without any failure.

BS 476 Part 7: 1997 and achieved Class 2.

GBRS Clause 404.02 (Adhesives and Sealants), Dubai Municipality Green Building requirements and passes the test.

INSTRUCTIONS FOR USE

Surface should be clean, dry and free from oil grease or any other contamination. The sealant should be carefully applied using a mastic gun, ensuring that the material is forced well into the gap to obtain the correct joint and achieve good adhesion between surfaces. Necessary tooling to be done within 5 minutes after application.

The joint should have a minimum width of 6 mm. Specific fire rate achievement depends on the joint configuration. Refer to the table below for the detailed joint configuration as per which the test has been conducted.

To get maximum fire resistance, Ceramic fiber or fiber rope / mineral wool with 100 Kg/m³ density may be used as back up. Polyethylene backup rods also can be used. Area adjacent to the joint should be masked with masking tape to prevent contamination of the substrate and to ensure neat sealing and the tape may be removed immediately after tooling before skin formed. Joint should be tooled within 5 minutes

of application. Uncured sealant may be cleaned with dampened cloth and cured sealant can only be cleaned with mechanical means.

Weber silicone FS should not be applied to building materials that bleeds oils, plasticizers or solvents. All Silicone sealants are non-paintable this should be taken in to account when applying material.

Joint width	Joint Depth	Backing material	Joint type	Integrity rating
6 mm	10 mm	8 mm Ceramic Fiber	Single side	4 hours
6 mm	10 mm	8 mm Polyethylene Foam	Double side	4 hours
10 mm	10 mm	12 mm Ceramic Fiber	Single side	4 hours
10 mm	10 mm	12 mm Ceramic Fiber	Double side	4 hours
25 mm	20 mm	30 mm Ceramic Fiber	Single side	4 hours
25 mm	20 mm	30 mm Ceramic Fiber	Double side	4 hours
25 mm	25 mm	30 mm Polyethylene Foam	Double side	4 hours
25 mm	20 mm	25 mm Mineral wool	Double side	4 hours
25 mm	15 mm	30 mm Ceramic Fiber	Double side	4 hours

CONSUMPTION

Approximate consumption per 280 ml cartridge

Joint width 6mm 10mm 20mm 25mm 30mm

Joint depth 10 mm 4.6 m 2.8 m 1.4 m

Joint depth 20 mm 1.4 m 0.7 m 0.56m 0.46 m

Joint depth 25 mm 0.44 m 0.37 m

STORAGE

12 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures below 25°C, don't allow to freeze.

SAFETY PRECAUTIONS

Direct contact with uncured sealant irritates eyes and may irritate skin. Over exposure to vapour may irritate nose and throat. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hand. In case of eye contact, flush eyes with plenty of fresh water for 15 minutes and obtain medical attention. In case of skin contact, remove from skin and flush with water.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the

company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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