

SS 994 FACADE

Neutral Construction, Facade Sealant (Weatherseal)

DESCRIPTION

Single component, weather resistant, high strength, **neutral alkoxy structure (weatherseal)**, **100% silicone** sealant developed for **facade** joints.

APPLICATION AREAS

- Indoor and outdoor,
- In all cladding facade joints, including structural joints,
- As a sealing material in construction joints,
- In laminated glass applications,
- In glass installation and joinery insulation,
- On many surfaces such as coated and anodized aluminum, wood, concrete, brick, ceramic, porcelain.

TECHNICAL PROPERTIES

Appearance	Silicone based sealant
Color	Black
Density	1.43 ± 0.05 g/cm ³
Application Temperature	Between +5°C and +35°C
Surface Dry Time	25 ± 5 minutes
Movement Capability	± 50% (ASTM C719) and %25 (TS EN ISO 11600)
Curing Rate	2 – 3 mm / 24 hours
Hardness (Shore A)	30 ± 5
Tensile Strength	≥ 1 MPa
Elongation at Break	> 400% (14 days)
Service Temperature	Between -50°C and +100°C

ADVANTAGES

- Single component**, easy to apply.
- Does not contain solvent**, durable.
- Is not affected by weather conditions and performs excellent and long-term durability when cured. It provides excellent resistance to extreme conditions such as extreme temperatures, UV, rain and snow, without significant change in elasticity.
- Its high tensile strength, high tear strength and high capacity to absorb deformations (elongation)
- make this product an outstanding product for weatherseal façade applications.
- Can meet both the elongation and compression movements by 50% (ASTM C719) and has an excellent recovery after this cycle.
- Has very **low VOC** value. Is a low odor neutral curing product.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) when cured.

CONSUMPTION

Width of the joint mm	Depth of the joint mm	Consumption ml (for 1 m)	Consumption g (for 1 m)
6	6	36	51.48
10	10	100	143
20	10	200	286

PACKAGING

300 ml plastic cartridges
600 ml aluminum sausages

APPLICATION

PREPARATION OF THE SURFACE

- The surface must be clear of materials that prevent adhesion such as dust, engine oils, tar, paint, silicone, curing material, detergent and mold release agents.
- Remove the old and cured sealants mechanically. Do not apply on old and cured sealants that are not totally removed.
- Masking tape is recommended for a smooth appearance of the surface and the material to be spilled around.
- Primer may be required for some synthetic and painted surfaces. However, there is no need to use a primer on non-porous surfaces such as tiles, ceramics and glass.
- Design all moving (dynamic) joints in such a way that they do not allow the three-sided adhesion of the sealant. Three-sided bonding inhibits the sealant's ability to stretch and compress freely and may cause joint failure.
- When using SS 994, the joint width should be at least twice the expected joint movement. For example, if the total expected movement in an expansion joint to which SS 994 will be applied is 6 mm, the designed joint width should be at least 12 mm. A minimum width of 6 mm should be allowed for the sealant. For other sizing, contact Fixa technical service.
- Use grouting rod to control and provide the desired depth, it allows the silicone to take the desired hourglass shape. It prevents three-sided adhesion in the joint. Backing rod should be 25-50% larger than the width of the joint. The rod should be placed in the joint by applying pressure and fixed.

APPLICATION

- Cut the mouth of the cartridge to allow the insertion of the tip supplied with the cartridge.
- Attach the tip to the mouth of the cartridge and, considering the width of the area to be used, cut the tip with a sharp utility knife at an angle of 45° and place the product to the cartridge gun.
- Smooth the surface by pressing with a suitable correction tool. This process will ensure both better adhesion of the sealant and a better appearance of the filling. Joint width should be minimum 6 mm.
- Remove the masking tape within 5 minutes after application.
- Clean the excess material with solvent or alcohol within maximum 5 minutes. If this time has been exceeded and curing has been completed, cleaning can only be done mechanically.

CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- Storage between +10°C and +25°C is extremely important for the life of the product.
- Do not use in completely closed areas as it needs moisture in the air for curing.
- Not suitable for medical or pharmacological applications.
- It is not recommended to apply under rain.
- Does not hold paint on it.
- Not recommended for use as a structural adhesive.
- Do not use underwater or in other places where the product will be in constant contact with water.
- Not suitable for food contact.
- Primer may be required for some special surfaces. Get support from Fixa technical service.

SHELF LIFE

Expires in 12 months. Store unopened packages between +10°C and 25°C, in a dry environment protected from sunlights.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Avoid prolonged contact with uncured silicone. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.