

Sil.a

Acetoxy Silicone Sealant

Description

One part acetoxy silicone sealant which applied in the form of a semi-fluid paste cures with the moisture to produce in a few hours an elastic, high cohesion rubber with good weather resistance combined with resistance to temperature extremes, showing excellent adhesion onto glass, glazed surfaces and some metals.

Its superior properties are retained after many years of exposure.

USES:

- For sealing joints of glass to glass, metal to metal, glass to metal in windows, glazed walls and curtain walls
- For shower cubicles and aquariums
- For ceramic tiles and glazed surfaces
- For glazing shop windows, greenhouses and skylights
- For refrigerated rooms and shop refrigerators
- For expansion joints where elongation, adhesion and outstanding resistance to weather are required as well as high tensile and modulus, UV and temperature extremes

CHARACTERISTICS:

Curing system	: acetoxy
Consistency	: tixotropic, non-slumping paste
Packaging	: cartridge: 310 ml.
Colours	: translucent, white, blank

TYPICAL PROPERTIES OF UNCURED SEALANT

Application temperature	: +5°C ÷ +40°C
Tooling	: 10 minutes
Tack-free time	: 30 minutes
Curing time	: 1-5 days depending on temperature and humidity, and on cross section of applied sealant cord

TYPICAL PROPERTIES OF CURED SEALANT

Shore A Hardness (ASTM D-2240)	: 30
Movement accommodation (ISO 11600.03)	: ± 20%
100% Modulus (ASTM D-412)	: 0,6 N/mm ²
Maximum tensile strength (ASTM D-412)	: 2,5 N/mm ²
Ultimate elongation (ASTM D-412)	: 500%
Service temperature range	: -40°C ÷ +200°C

The values in this table must not be considered as specifications

Application

Surface preparation: the surfaces must be clean, dry and free from dust and oil. Use a suitable solvent if required. **Sil.a** has very good adhesion to glass, glazed surfaces and to anodized aluminium. Onto aluminium, stainless steel, painted surfaces and plastics previous testing is recommended and the use of a suitable Primer is suggested. See table of **Primers for silicone sealants**.

Joint dimension: joint depth is to be designed so that to produce a sealant cord of depth not under 3 mm. and not over 10 mm.

In joints designed to accommodate movement, the joint width should be at least four times total expected movement and always greater than depth.

For a correct dimensioning of joint cross section insert to the joint back **Filtene**, a closed cell polyethylene foam round profile, available in several diameters.

Application of sealant : apply sealant by means of an air operated gun or of a hand gun. Any tooling if required should be carried out immediately.

Note. **Sil.a** proves not suitable for concrete, marble, copper, galvanized plates and mirrors. It is not recommended for use in joints submitted to traffic damage and in submerged joints of porous materials. The sealant should not be used in joints not exposed to air moisture, nor should it be used in contact with materials oozing oily matters or plasticizers. It cannot be painted.

Cautions: the sealant produces acetic acid vapour during cure, avoid inhaling the vapours as well as contact with eyes and skin.

Storage Sstability

12 months from the date of manufacture if sealant is kept in the original sealed pack at a temperature under 25°C.

Standard compliance

ISO 11600-G-20 HM



EN 15651-2: G-
Sealant used for sealing glazing applications

DOP 17 06 5006440

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The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered.

Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by Fratelli Zucchini, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end-user.

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