

# SIL A EXPORT SANITARIO

## PRODUCT DESCRIPTION

**SIL A EXPORT SANITARIO** is a one-part acetoxy silicone sealant which is applied in the form of a semi-fluid paste.

## PRODUCT CHARACTERISTICS

**SIL A EXPORT SANITARIO** combines an excellent long-term resistance to natural weathering, ultraviolet radiation, high and low temperatures with a good resistance to mould.

It provides excellent adhesion onto glass, glazed surfaces and some metals.

Its superior properties are retained after many years of exposure.

## USES (professional)

- For sealing joints of glass to glass, metal to metal, glass to metal in windows, glazed walls and curtain walls.
- For sealing air conditioning installations.
- For ceramic tiles and glazed surfaces in general.
- For glazing shop windows, greenhouses and skylights.
- For refrigerated rooms and shop refrigerators.
- In general for expansion joints where a good elongation and adhesion to substrates is required, coupled with outstanding resistance to weather, to sunlight and to temperature extremes.



## LIMITATIONS

- **SIL A EXPORT SANITARIO** must not be used for insulating glass applications nor for structural glazing bonding.
- It is not recommended for the production of aquaria nor for longterm use under water.
- It should not be used in contact with marble, natural stones.
- It should not be used in contact with metals such as lead, copper, brass or zinc due to acid acetic corrosion.
- It should not be used on substrates such as concrete, fibrous cement and mortar.
- It should not be used on polycarbonate and acrylic sheets.
- It should not be used in contact with materials bleeding oily matters or plasticizers, nor on surfaces to be overpainted.
- It is not suitable for use in food contact applications.
- The sealant is not recommended for use in totally confined joints not exposed to air moisture nor for use in joints submitted to abrasion.
- Do not use in extreme temperature conditions, or on damp, frozen, contaminated surfaces.
- Do not use on excessively acidic or basic substrates. It is not suitable for use as a mirror adhesive.
- For any application not listed in this document please contact our Technical Service.

## TECHNICAL DATA

Polymers the curing system:	100% silicone, acetoxy
Consistency:	tixotropic, non-slumping paste
Application temperature:	+5°C / +40°C
Specific gravity:	1,03 g/cm <sup>3</sup>
Tooling time (23 °C, 50% R.H.):	10 minutes
Skin formation time (23 °C, 50% R.H.):	20 minutes
Curing time:	1 - 5 days depending on temperature, on humidity and on cross section of applied sealant cord
Shore A hardness (ASTM D-2240):	19
100% Modulus (ASTM D-412):	0,35 N/mm <sup>2</sup>
Tensile strength (ASTM D-412):	1,7 N/mm <sup>2</sup>
Ultimate elongation (ASTM D-412):	>600%
100% Modulus (ISO 8339):	0,40 N/mm <sup>2</sup>
Tensile strength (ISO 8339):	0,7 N/mm <sup>2</sup>
Ultimate elongation (ISO 8339):	250%
Peel adhesion strength (ASTM C794):	8 Kn/m
Service temperature range:	-40°C / +200°C

The values in this table must not be considered as specifications.



# SIL A EXPORT SANITARIO

## APPROVALS

**SIL A EXPORT SANITARIO** has been tested and certified by **EUROFINS** according to:

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation	A +	Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
Italian CAM Edilizia	Pass	Decree 11 October 2017 (GU n.259 del 6-11-2017)
ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017/August 2018 (AgBB)
Belgian Regulation	Pass	Royal decree of May 2014 (C-2014/24239)
EMICODE *	EC 1 PLUS	apr-19
Indoor Air Comfort®	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD®	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
Blue Angel (DE-UZ 123)	Pass	DE-UZ 123 for "Low-Emission Sealants for Interior Use", (January 2019)
BREEAM International	Exemplary Level	BREEAM International New Construction v2.0 (2016)
BREEAM® NOR	Pass	BREEAM-NOR New Construction v1.2 (2019)
LEED	Pass	v 4.1 July 2019

\* This test report does not alone entitle to use the protected trademark label EMICODE.

## Standard compliance



**15651-1: F-EXT-INT-CC 25 LM** Sealant for façade for interior and exterior application.

**EN 15651-2: G-CC 25 LM** Sealant used for sealing glazing applications.

**EN15651-3: XS 1** Sealant for joints in sanitary areas.

## METHOD OF USE

**Adhesion and surfaces preparation:** surfaces must be clean, dry and free from dust and oil.

Use a suitable solvent when necessary

**SIL A EXPORT SANITARIO** has good adhesion onto glass, glazed surfaces and ceramic.

Onto stainless steel, aluminium, the use of a suitable Primer may be required, so previous testing is always recommended.

See table of Primers for silicone sealants.

It is the responsibility of the user to test the compatibility of the sealant with the adjoining materials.

Incompatible substances like coating materials (paints, varnishes and glazes) or organic plasticizer containing rubbers (EPDM, butyl and neoprene) can lead to discoloration or other impairments like loss of adhesion of the sealant.

Materials in direct contact with the applied sealant like cleaning agents and materials in indirect contact like gaseous emissions can damage the sealant in its function or change its appearance.

Because of the multitude of these materials, Fratelli Zucchini S.p.A. cannot make a general statement to the compatibility of materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests.

The time until complete curing may be extended at lower temperature, lower humidity, increasing film thickness or by low volume of air exchange.

**Recommended joint dimension (see picture):** joints designed to accommodate movement require a rectangular section, with depth of at least 5 mm and width at least four times of total expected movement.

Width must be always greater than depth.

For a correct dimensioning of joint cross-section it's recommended to insert **FILTENE** (a closed cell polyethylene foam round profile, available in several diameters) at the joint back.

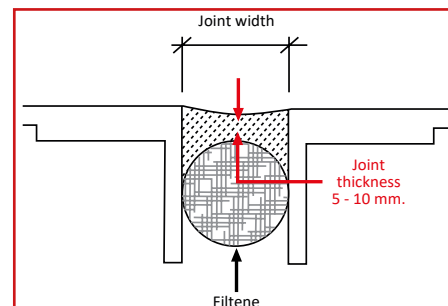
**Sealant application:** apply sealant using a hand or air gun and practise a suitable pressure against the joint walls.

Any required tooling should be carried out immediately.

**Solvent wiping:** dirty tools can be solvent wiped with **Solvente ST/512**.

After curing **SIL A EXPORT SANITARIO** can be removed mechanically.

**SIL A EXPORT SANITARIO** can't be overpainted.



## SAFETY AND HEALTH

See Safety Data Sheet. **SIL A EXPORT SANITARIO** produces acetic acid vapour during cure, avoid inhaling the vapours as well as contact with eyes and skin.



# SIL A EXPORT SANITARIO

## STORAGE STABILITY

310 ml. cartridge 12 months from the date of manufacture.

600 ml bag. 12 months from the date of manufacture.

20 kg drum 6 months from the date of manufacture.

Store the sealed product in the original packaging, in a dry place at a temperature between +5°C and +25°C.

## PACKAGING

Code	Colour	Packaging	Unit
1007169	transparent	310 ml. cartridge	24
1007170	white	310 ml. cartridge	24

Other sizes available on request.



### Fratelli Zucchini S.p.A.

Via C. Colombo, 6 Tel. +39 0532 782711 info@zucchini.it  
44124 Ferrara - Italy Fax +39 0532 732121 www.zucchini.it

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =

