

Saratoga Universal Silicone Sealant

Saratoga Universal Silicone Sealant is an acetic one-component silicone sealant, that cures quickly thanks to the atmospheric humidity, creating extremely elastic and adhesive seals.

It is pure silicone, and does not contain solvents.

Extremely resistant to UV rays and atmospheric agents, keeps unchanged its exceptional physical features, even after several years of external exposure, with no influence from low and high temperatures.

Excellent adhesion to glass, ceramics, steel, aluminium, some plastic materials, wood and varnished supports.

Compliant with ISO 11600-F & G-20HM regulations.

APPLICATION FIELDS

Saratoga Universal Silicone Sealant is used for sealing between door and window frames and glasses, aquaria (up to 100 l.) and glass cases, huge glass walls, external and internal refrigerating rooms panels, U-Glass, solar panels, skylights, air-conditioning systems.

APPLICATION

All surfaces must be compact, clean, dry, dust free and degreased.

- All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application.
- It is recommended to use a masking tape on both sides of the joint for a better result (remove right after application).
- Cut the nozzle at the desired diameter.
- Apply using a standard sealant gun or a compressed air one.
- Cannot be painted, therefore paint before applying.
- Apply at the bottom of the gap some insulation material (such as adhesive tape); with deep gaps, fill with some fill-up material (such as Saratoga JOINT•FILLER or expanded plastic).

Clean surfaces and tools within 10 minutes with a clean cloth wetted with solvent or Saratoga Via•Sil Fresco. When cured, clean with Saratoga Via•Sil Indurito.

Specific data		
Kind of sealant		Acetic silicone sealant
Specific weight		1,03
Consistency		Thixotropic
Extrusion rate	g/min.	50-70
Working time	minutes*	10
Cure time	mm/24h*	2-3
Application temperature	°C	+5 / +40
Tensile strength	MPa	2,3
Modulus at 100% elongation	MPa	0,45
Elongation at break	%	480
Shore A hardness	°	25
Elastic recovery	%	>90
Working movement	%	20
Heat resistance	°C	-60 / +200

*At 23°C and 50% relative humidity

Linear metres yield of a joint with a 310 ml cartridge											
depth / mm	width / mm										
	5	6	7	8	10	12	15	20	25	30	40
5	12,4	10,3	8,9	7,8	6,2	5,2	4,1	3,1	2,5	2,1	1,6
6	10,3	8,6	7,4	6,5	5,2	4,3	3,5	2,6	2,1	1,7	1,3
7	8,9	7,4	6,3	5,5	4,4	3,7	3,0	2,2	1,8	1,5	1,1
8	7,8	6,5	5,5	4,9	3,9	3,2	2,6	1,9	1,6	1,3	1,0
10	6,2	5,2	4,4	3,9	3,1	2,6	2,1	1,6	1,2	1,0	0,8
12	5,2	4,3	3,7	3,2	2,6	2,2	1,7	1,3	1,0	0,9	0,7
15	4,1	3,5	3,0	2,6	2,1	1,7	1,4	1,0	0,8	0,7	0,5
20	3,1	2,6	2,2	1,9	1,6	1,3	1,0	0,8	0,6	0,5	0,4

Considering possible wastage, it is recommended to increase the sealant quantity of about 5-10%.

STORAGE AND SHELF LIFE

Between +20 and +25°C its shelf life is 12 months since manufacturing date.

PRIMER

A primer is not needed on glass, ceramic and, usually, wood, metal, and most plastic materials. For particular or exceptional adhesions, it is suitable to run some tests and, in case, use a specific primer with porous backings or with metals and plastic materials.

LIMITATIONS

Do not use on porous backings; use Saratoga Neutral Silicone Sealant.
Do not use to bond mirrors; use Saratoga Neutral Silicone Sealant for Plastics•Metals•Mirrors.

NOTE

During cure, it exhales a small quantity of acetic acid. Therefore, ensure to ventilate your working environment.
Irritating to eyes and skin. In case of contact, wash with a lot of water and consult your doctor.

CAUTIONS

Keep out of the reach of children.
Consult Material Safety Data Sheet for full list of hazards and the directions on the product label itself.
For further information, please visit our site www.saratoga.it

Product Description	Pack size	Product code	Box quantity	EAN Code
Transparent	280 g	85 150 031	30	8 005860 851511
Transparent	310 ml	85 116 001	30	8 005860 851160
Gray	280 g	85 144 001	30	8 005860 850057
Gray	310 ml	85 003 015	15	8 005860 851429
Brown	280 g	85 143 001	30	8 005860 850040
Doors and windows frames Brown	280 g	85 131 015	15	8 005860 851313
Green	280 g	85 149 015	15	8 005860 851498
Car body Black	280 g	85 142 001	30	8 005860 850033
Black	310 ml	85 124 015	15	8 005860 851245
Aluminium	280 g	85 148 015	15	8 005860 850163



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