

TECHNICAL DATA SHEET (TDS)

UNIVERSAL SILICONE SEALANT

1 – DESCRIPTION

UNIVERSAL SILICONE SEALANT is an acid-curing, one-component silicone sealant for a range of general sealing and glazing applications. It provides a strong adhesion and suitable for use on common non-porous building materials.

2 – PROPERTIES

- Stays permanently elastic after curing.
- Acetoxy curing system.
- Excellent adhesion to non-porous surfaces.
- Resistance to aging, cracking and discoloring.
- Resistant to many chemicals, cleaning agents and detergents.
- Can be applied in any season.
- Typical acetic smell during curing.

3 – APPLICATION AREAS

- General sealing and glazing applications
- Sealing around windows and doors for insulation and gap filling.
- Sealing in DIY applications
- On bathroom, kitchen and plumbing applications.
- Connection and expansion joints on glass, porcelain, steel etc.
- Sealing electric, telephone etc. sockets and switches.

4 - INSTRUCTIONS

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5 °C and +40 °C.
- In order to reduce the deformations of the joints, their depth must be much less than their width, minimum dimensions are 5x5 mm, for wider joints the depth should be preferably half of the width and it is adjusted by the use of a backup material.
- After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a professional finish.
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- 6 mm. joint depth is recommended for joint widths between 6 mm to 12 mm.

Consumption (approx.)

Joint Width	6mm	9mm	12 mm
Joint Depth	6mm	6mm	6 mm
Efficiency /310 ml	8 meters	6 meters	4 meters

5- STORAGE AND SHELF LIFE

- The shelf life is 15 months if stored in unopened-original package at room temperature.

6- RESTRICTIONS

- Not recommended to use on porous surfaces like marble, natural stone, concrete etc.
- Because of acidic curing, it must not be used on mirrors and sensitive metals like copper, brazen, lead.
- It is not paintable.
- It is not suitable for aquariums.
- If exposed to direct sunlight, sealant gets yellowish because of the antibacterial property.
- Sealant needs moisture for curing therefore it shouldn't be applied in completely closed places

7- PACKAGING

Product	Volume	Package
Various Colors	280 ml	24
Various Colors	280 gr	24

8- SAFETY

If inhaled for a long time in large volumes, vaporizing acetic acid may cause irritation of the respiratory system. Therefore, the application must take place in a well-ventilated room. Prolonged contact with uncured sealant must be avoided.

9- TECHNICAL PROPERTIES

Basis	: Silicone Polymer	
Curing System	: Acetoxo	
Density	: 0.96 g/ml	(ASTM D 792)
Shore A Hardness	: 10-15 (after 28 days)	
Skin formation	: 15-20 min. (23°C and 50% R.H)	
Curing Rate	: Min. 2.5 mm/day (23°C and 50% R.H)	
Tensile Strength	: $\geq 0,5 \text{ N/mm}^2$	(ASTM D 412)
Elongation At Break	: $\geq 300\%$	(ASTM D 412)
Sagging	: 0 mm	(ISO 7390)
Application Temperature	: +5°C to +40°C	
Temperature Resistance	: -40°C to +150°C	