



# 100A SILICONE

## TECHNICAL INFORMATION FORM

### 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.

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	310 ml	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

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

### LEGAL WARNING

The information provided here on ADROIT products, and in particular the recommendations regarding their application and end-use, are given in good faith based on ADROIT's current knowledge and experience when these products are properly stored, handled and applied under normal conditions and in line with ADROIT's recommendations.

Products, application surfaces and application areas are quite diverse in practice. For this reason, when using ADROIT products, be sure to apply the right product in the right conditions and in the right place, and strictly follow the information and instructions given by ADROIT regarding commercial availability and/or fitness for a particular purpose. Otherwise, ADROIT is not responsible for any damages that may occur.

The user (user) of the product should test the suitability of the product for the application and purpose for which he intends to use the product.

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Acceptance of all orders is based on our current terms of sale and shipping. Users should always consider the latest edition of the local Product Information File of the relevant product, which can be obtained by contacting ADROIT.