

# silikön 600

100% Neutral Silicone Sealant



## **DESCRIPTION:**

**silikön 600** is a premium grade , fast curing, high strength 100% neutral curing silicone sealant & adhesive. Designed for glazing, industrial, and automotive sealing, **silikön 600** is ideal for applications where extra high body, quick skin time, high early strength development and long-term reliability are essential.

## **FEATURES & BENEFITS:**

- Superior adhesion
- Non corrosive
- No slump
- Movement capability +/-25%
- 2-5-minute skin time
- UV stable

## **RECOMMENDED USE:**

- Glazing of Colonial Bars
- Structural butt joints
- Installation of Solar Panels on most roofs
- Water Tank production
- Industrial applications where the item needs to be moved quickly in the production process
- General applications where fast skin time and high early strength properties are required

## **AVAILABLE COLOURS:**

Translucent, White, Grey and Black

## **SUBSTRATES:**

**silikön 600** has excellent adhesion properties over most common building surfaces including:

- Concrete
- Masonry
- Glass
- Aluminium
- Galvanised Steel
- Wood
- Ceramics
- Most painted and powder coated surfaces
- Some Plastics

**IMPORTANT:** It is always suggested to conduct “Pre-Adhesion” tests on substrates to ensure an adequate bond is achieved. Contact RLA Technical Department for advice on suitability over surfaces not mentioned above

## **SURFACE PREPARATION:**

All surfaces must be clean, dry, and free from loose particles, dust, oils, rust, and any contaminants that may inhibit adhesion of the sealant. Where oils may be present, clean the surface using a non- oil-based solvent cleaner. Avoid cutting or scratching powder-coated surfaces as oxidization will quickly contaminate the mating surfaces. Some powder coats are heavily plasticized and may require light scouring using a scouring pad to remove/dull the burnished surface to promote adhesion. An adhesion promoter may also be required. Contact RLA Technical Department for advice if unsure.

## APPLICATION:

- Cut nozzle at a 45° angle based on required bead size.
- Cut nub on the cartridge and screw on nozzle.
- Insert the cartridge into the caulking gun.
- Hold the caulking gun at a 45° angle with the nozzle in contact with both sides of the joint.
- Apply by dispensing the silicone ahead of the nozzle, pushing it firmly into the joint and against joint surfaces to ensure positive surface face adhesion.
- Tool off sealant to a concave profile before skin forms using a mild soapy solution or proprietary tooling solution. Tooling will assist by securing the sealant into the joint and eliminate air bubbles and air pockets behind the sealant.
- Remove excess sealant immediately with a cloth dampened with mineral turpentine or suitable solvent

## JOINT DESIGN:

The joint width must be designed to suit the joint movement required and the movement capability of the sealant.

The joint width shall be  $\geq 5$  mm and  $\leq 45$  mm.

The joint depth shall be  $\geq 5$  mm and  $\leq 15$  mm.

A width to depth ratio of 2:1 must be maintained.

To ensure that the correct joint width-to-depth ratio is achieved, and to prevent the sealant from adhering to the bottom of the joint, it is highly recommended to use a tightfitting, non-absorbent backing material such as an open cell polyurethane or closed-cell polyethylene backer rod

## CLEAN UP:

- Excess sealant can be removed immediately with a cloth dampened with mineral turpentine or suitable solvent.
- Cured sealant can be removed by trimming with a sharp blade.

## PACKAGING:

- 300ml cartridges

## STORAGE/SHELF LIFE

- Store in a cool, dry place away from direct sunlight.
- Best stored in conditions under 28°C.
- Shelf life is 12 months from date of manufacture when stored in accordance with above recommendations.

## LIMITATIONS:

- Not recommended for fully submerged joints. In aquarium applications use [silikön 200](#) acetic cure sealant.
- Not recommended for use on structural glazing
- For certain rubber and some plastic products, bleeding of plasticisers may occur. Contact RLA Technical Department for advice on application over these surfaces if unsure.
- Do not apply when surface or ambient temperatures are below 5°C or above 40°C

## HEALTH AND SAFETY

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## TECHNICAL DATA

PROPERTIES	
Colour	Assorted
Curing method	Neutral (oxime) 100%
Sag/Slump @ 23°C 50% RH	Nil
Shelf life	12 months when stored below 28°C
Packaging	300ml cartridges
Skin Time @ 20°C 50% RH	2-5minutes
Cure Depth @ 25°C 50% RH	2-3mm/24 hours
Application Temperature	5°C to 40°C
Elongation	>560%
Tensile Strength	>2MPa
Dynamic Joint Movement	+/-25%
Specific Gravity	1.03 g/ml
Shore A Hardness (ASTM D2240)	24

**WARRANTY STATEMENT:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and installed according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

**PHONE:** 1800 242 931

**EMAIL:** [info@rlapolymers.com.au](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria 3137  
(Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://www.rlapolymers.com.au)

**AUSTRALIAN CONSUMER LAW:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

**DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

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RLA Polymers Pty Ltd ACN 004 709 915

Head Office  
215 Colchester Road  
Kilsyth, Victoria, 3137  
Tel: 1800 242 931

New South Wales  
5A 246 Miller Road  
Villawood, NSW, 2163

Queensland  
57 Fulcrum Street  
Richlands, QLD, 4077

South Australia  
Unit 2/7 Berger Road  
Wingfield, SA, 5013

Western Australia  
24 Hanwell Way  
Bassendean, W.A, 6054  
Tel: 08 9279 8911

For the latest product information please visit [rlapolymers.com.au](http://rlapolymers.com.au)