

silikön 400LM

100% Neutral Cure, Matte Silicone Sealant/Adhesive



DESCRIPTION:

silikön 400LM is a high-performance, 100% neutral cure matte silicone sealant & adhesive. Designed for cladding, glazing and façade installations, silikon 400LM provides a soft, discreet finish to compliment adjoining building elements and surfaces.

FEATURES & BENEFITS:

- Low modulus
- 5-10 minute skin time
- Available in a range of colours
- High movement capability +/-50%
- UV stable
- Matte finish

RECOMMENDED USE:

- Glazing
- Cladding applications
- Facades
- Weather-sealing
- Solar Panel installation
- Truck & caravan assembly
- Structural butt joints
- Colonial Bars

AVAILABLE COLOURS:

Matte: black, grey and white

SUBSTRATES:

silikön 400LM 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 oxidation 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 ≥ 5 mm and ≤ 45 mm.

The joint depth shall be ≥ 5 mm and ≤ 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
- 600ml sausages

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 600ml sausages
Skin Time @ 20°C 50% RH	5-10 minutes
Cure Depth @ 25°C 50% RH	2-3mm/24 hours
Application Temperature	5°C to 40°C
Elongation	>300%
Tensile Strength	>1.2MPa
Dynamic Joint Movement	+/-50%
Specific Gravity	1.36 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

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

WEBSITE: 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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