

TECHNICAL DATA – Roof & Gutter Silicone

Roof & Gutter Silicone

Neutral curing, premium quality silicone sealant.

DESCRIPTION:

RLA Roof & Gutter Silicone is a non-diluted, high performance, UV resistant, neutral-cure, silicone sealant. It is specially formulated to seal joints or seams in plumbing and roofing applications.

AREAS OF APPLICATION:

- Metal and Colour-bond roofing
- Metal to Metal lap joints and flashings
- Gutters and down pipes
- Pipe or Sprinkler System Penetrations
- Air conditioning
- Window Frames
- General Purpose sealing of building materials, Steel, Aluminium, Timber, Concrete, Brick and Masonry.
- Most types of plastic and rubber but pre-testing is recommended to ensure adequate adhesion.

FEATURES & BENEFITS

- Manufactured to the highest Australian Standards and Quality Assurance so the RLA Roof & Gutter Silicone comes with a 10 year manufacturer's warranty.
- AS/NZS 4020 approved, which means it is suitable for use in contact with drinking water.
- 100% Silicone so it does not shrink when curing and customers do not pay for solvents or fillers.
- Excellent adhesion properties so it adheres to most surfaces, included painted surfaces, and the job only needs to be done once.
- Neutral (Non-Acetic) Cure is non-corrosive and so does not react with metals and other surfaces.
- Permanently flexible so it resists cracking, shrinking and vibration.
- Suitable for interior and exterior applications so the product is very versatile.
- Unaffected by extreme temperature (hot or cold) so suited to any environment.
- Waterproof so it provides a flexible watertight seal.
- Low VOC which means low vapour, low odour and a safer work environment for the plumber or trades person.
- UV resistant so it is not affected significantly by sunlight, making it more durable.
- Proven product performance in millions of applications around Australia and overseas.

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APPLICATION

Surface preparation

Surfaces to be sealed must be clean and dry. Ensure there is no foreign matter including grease, wax, flaking paint etc. Complete all painting before applying Silicone.

MAKING THE JOINT

- Use masking tape on each side of the joint to protect surfaces and to ensure a neat job.
- Insert a backing rod if depth of the joint is excessive.
- Cut nozzle at 45°C angle to desired thickness.
- Cut nub on cartridge. Insert cartridge into a caulking gun.
- Hold gun at 45° angle with nozzle in contact with both sides of joint.
- Apply by pushing **RLA Roof & Gutter Silicone** ahead of nozzle, thus ensuring it is pushed firmly into place.
- Smooth off before skin forms
- Remove excess **RLA Roof & Gutter Silicone** immediately with a cloth dampened with mineral turpentine.
- Remove any masking tape immediately sealant tooling is complete.
- **RLA Roof & Gutter Silicone** skins in 5 minutes and is touch dry in 30 minutes.

CLEAN UP

Cured **RLA Roof & Gutter Silicone** can be removed by trimming with a sharp blade

PACKAGING & SHELF LIFE:

Shelf Life is 12 months if stored in a cool (below 25°C), dry, well ventilated place and out of direct sunlight.

HANDY TIPS:

- Do not apply to wet surfaces. Ensure surfaces are clean and dry.
- All applications should be pre-tested to ensure the finished results with **RLA Roof & Gutter Silicone** meet the expectations of the user.
- Adhesion of **RLA Roof & Gutter Silicone** to substrates should be pre-tested to ensure there is adequate adhesion.
- Pre-test **RLA Roof & Gutter Silicone** on substrates for any potential staining. This is especially relevant for natural stone like marble.
- Also refer to SAFETY DIRECTIONS below.
- Not to be used for structural glazing.
- Not paintable.
- Not to be used on extruded type polycarbonates or polyacrylates as cracking may occur

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- Not recommended for use in trafficable applications or continually submersed conditions
- Not recommended for below water line applications.
- Not recommended for applications in which it will be in constant contact with chlorinated water.

SAFETY INFORMATION

On contact, uncured sealant causes irritation. Gloves and protective goggles must be worn during application and use. Avoid contact with skin, eyes and avoid breathing in vapour. Wear protective gloves when mixing or using. If poisoning occurs contact a doctor or Poisons Information Centre. Phone: Australia 131 126 NZ: 0800 764 766 or a doctor immediately. If swallowed, do not induce vomiting. Give a glass of water. If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and see a doctor. **For more detailed information refer to the Safety Data Sheet.**

PRODUCT DATA

Appearance	Clear or Grey Paste
Specific Gravity @ 20°C	1:1
Viscosity @ 20 C, cPs	1000-1300
VOC	54 g/L
Tooling/Skin Time @20°C	3-5 minutes
Tack Free Time @20°C	10 minutes
Cure Time	24 hours @ 2 mm depth or 5 days for full cure @ 10mm depth
Application Range	10°C to +50°C
Performance Range	-60°C to +175°C
Coverage	13 lineal metres @5 mm x 5mm
Hardness Shore A	28
Tensile Strength	200 psi (15 kg/cm ²)
Sag, Slump	Nil
UV and Ozone Resistance	Excellent
Joint Movement	+/- 25% Min

AVAILABILITY:

RLA Roof & Gutter Silicone is available Australia wide through the RLA Group distributor network. Please contact RLA Group 1800 242 931 to find out where your nearest stockist will be.

TECHNICAL SUPPORT:

RLA Polymers manufactures a comprehensive range of high quality, high performance construction products. In addition, RLA Polymers offers technical support and on-site advice to specifiers, end users and contractors. Please contact your RLA Polymers sales representative or RLA Head Office for this service

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Product: RLA Roof & Gutter Silicone
Issue Date: MAR 19
Issue No: D01

DISCLAIMER

The information and any recommendations relating to the application and end-use of all RLA products are provided in good faith based on RLA's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by RLA. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.
PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.