

# ROOF + GUTTER NEUTRAL SILICONE SEALANT

## TECHNICAL DATA SHEET

### DESCRIPTION

ATOMIK Roof + Gutter Neutral Silicone Sealant 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.

### FEATURES & BENEFITS

- Manufactured to the highest Australian Standards and Quality Assurance so the ATOMIK Roof + Gutter Neutral Silicone Sealant
- 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, does not shrink and crack.
- Excellent adhesion properties will adhere to most surfaces, including most painted or unpainted, 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 stable so it is not affected significantly by sunlight, making it more durable.
- Proven product performance in millions of applications around Australia and overseas

### 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. If required use a recommended solvent like methylated spirits to clean the exposed surface clean with a dry clean rag.

#### 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 ATOMIK Roof + Gutter Neutral Silicone Sealant ahead of nozzle, thus ensuring it is pushed firmly into place.

Smooth off before skin forms

Remove excess ATOMIK Roof + Gutter Neutral Silicone Sealant immediately with a cloth dampened with mineral turpentine.

Remove any masking tape immediately sealant tooling is complete.

ATOMIK Roof + Gutter Neutral Silicone Sealant skins in 5 minutes and is touch dry in around 30 minutes.

### CLEAN UP

Cured ATOMIK Roof + Gutter Neutral Silicone Sealant 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.

### NEUTRAL SILICONE

#### LIMITATIONS:

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

#### 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.

#### PRODUCT DATA

Density (Uncured), g/cm <sup>3</sup>	<b>1.06</b>
Slump, mm	<b>0.00</b>
Tack free time, min	<b>10 - 20</b>
Curing rate, mm/24h	<b>3 - 4</b>
Hardness, Shore A	<b>20 - 30</b>
Tensile strength, MPa	<b>1.20</b>
Elongation, %	<b>400 - 600</b>
Movement capability, %	<b>±20</b>
Application temperature, °C	<b>5 - 35</b>
Service temperature range ( after cure ) , °C	<b>-40 - 120</b>

#### DISCLAIMER

The information and any recommendations relating to the application and end-use of all ATOMIK products are provided in good faith based on ATOMIK'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 ATOMIK. 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