

Code	Description	Size	Colour
19382	Gorilla Roof & Gutter Silicone Sealant	300ml	Black

1. Description

Gorilla Roof & Gutter Silicone Sealant **Copper** is a high-quality, neutral, alkoxy silicone formulated for ensuring durability to copper and copper-based metals.

2. Characteristics

- Long open time.
- Excellent moisture and mould resistance.
- Very easy to apply.
- Colourfast and UV resistant
- Permanent elastic after curing.
- **Safe on copper & polycarbonate surfaces**
- Low modulus
- Corrosion free
- Primerless adhesion on many substrates that are not subject to immersion, water pressure or high stress movement capabilities.

3. Technical Data

Base:	Polysiloxane
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin formation* (23°C / 65% R.H.):	Ca. 35 min
Curing speed* (20°C / 65% R.H.):	Ca. 2 mm/24h
Hardness:	24 ± 5 Shore A
Density:	Ca. 1,01 g/ml
Elastic recovery (ISO 7389):	> 80 %
Maximum allowed distortion:	25 %
Max. tension (DIN 53504):	0,70 N/mm ²
Elasticity modulus 100% (DIN 53504):	0,37 N/mm ²
Elongation at break (DIN 53504):	Ca. 700 %
Temperature resistance:	-40 °C → 150 °C
Application temperature:	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

4. Applications

- Sealing roofing & gutter joints. **“Copper-based metals.**
- Top sealing in glazing (not secondary sealing in double glazed units).
- Bonding and sealing polycarbonate (without stress cracking)
- High movement construction joints

5. Packaging

300 ml cartridge (net content)

6. Shelf Life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

7. Building Product Information

Manufactured By Soudal NV
Distributed By Soudal Ltd

Relevant Building Code Clauses

- Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years and B2.3.1 (c) 5 years
- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2.
- Clause E3 INTERNAL MOISTURE: Performance E3.3.3, E3.3.4, E3.3.5 and E3.3.6.
- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

Contribution to compliance With NZBC

Performance B2.3.1 (b) 15 years and (c) 5 years: This product achieves these durability requirements and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Soudal product technical documents. Soudal maintains production & management systems in accordance within its ISO9001:2015 Quality Management System.

Performance E2.3.2: In accordance with E2/AS1. This product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification. soudal.co.nz. When used to seal flexible joints, as part of a roofing or wall cladding system, or around external openings, such as windows and doors, the product contributes to meeting the E2.3.2 weather-tightness requirements.

Performance E3: The product can be used to form impervious joints between sheet lining materials and also a joint between fixtures and lining materials in accordance with NZBC Acceptable Solution E3/AS1.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Soudal's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Soudal Product Technical Data Sheet and product Safety Data Sheet soudal.co.nz for further information if required.

8. Application Instructions

Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with Gorilla Solvent Cleaner (before curing)
Finishing: With a soapy solution before skinning.
Repair: With Gorilla Roof & Gutter – Copper Solution
Cleaning After Cure: Gorilla Silicone Remover or Gorilla Sealant Remover

Substrates

Substrates: All usual building substrates, copper/copper-based metals, ceramic tiles, enamel, stainless steel, polycarbonate (PMMA), acrylic baths, glass.
Nature: Clean, dry, free of dust and grease.
Surface preparation: Porous substrates; surfaces such as lightweight aerated concrete, masonry plasters, bricks and other surfaces regarded as very porous should be primed with Gorilla Primer 150. Non-Porous substrates; due to the wide range of materials, coatings and surface finishes we recommend to test to verify adhesion to determine the correct adhesion promoter. Preparing the surface with Gorilla 696 Surface Activator will maximise adhesion. Adhesion to PVC should always be tested to ensure the correct result.

Note: There is no adhesion on PE, PP, PTFE (Teflon®), silicones and bituminous substrates.

Soudal Ltd recommends a preliminary compatibility test to ensure that the user is satisfied with the result given.

Joint dimensions

Min. width for joints: 5 mm
Max. width for joints: 30 mm
Min. depth for joints: 5 mm
Recommendation sealing jobs: joint width = 2x joint depth.

Warning

- Do not use on natural stones like marble, granite (staining).
- Direct contact with the secondary sealing of double-glazing units (insulation) and the PVB-film of safety glass must be avoided.
- Not suitable for the bonding of mirrors. Instead use Gorilla Mirror Fix or Gorilla Fix All High Tack for this application.
- A total absence of UV can cause a colour change of the sealant. In an acid environment or in a dark room, white silicone can slightly turn yellow. Under the influence of sunlight, it will turn back to its initial colour.
- We do not recommend the application in full sunlight as it will dry very fast.
- Primers are not a substitute for incorrect surface preparation but will improve the long-term performance of the sealant if applied correctly in accordance with the technical data. It is the user’s responsibility to ensure that the adhesion of the cured sealant, on typical test joints on site before and during application, is sufficient to satisfy themselves that adequate adhesion is obtained.

Environmental:

LEED Regulation – Gorilla Roof & Gutter – Copper Solution conforms to the requirements of LEED. Low-Emitting Materials: Adhesives & Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

9. Health and Safety Recommendation

Take the usual labour hygiene into account. Consult the packaging label for more information.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.***

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