



PRODUCT NAME	Roof & Gutter Silicone
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PRODUCT DESCRIPTION	
Roof & Gutter Silicone is a high performance, neutral cure, low odour, high quality silicone sealant for roof and gutter application where long term protection against exterior condition is required.	

PROPERTIES	APPLICATIONS
• Colourfast & UV-resistant • Very easy to apply • Permanently elastic after curing • Very good adhesion on many materials • Low modulus • Neutral curing • Low odour • Excellent adhesion properties on glass, Colorbond®, Colorcote®, galvanised steel, concrete, etc. • WaterMark certified – Water potable • Conforms to ASI TS-001 • Not paintable	• Sealing between PVC, treated timber and metal profiles • To seal horizontal and vertical joints in wall and roof connections. • Sealing between metal components. • Repairing and renovation of roofs and gutters. • Connection and expansion joints at roof works.

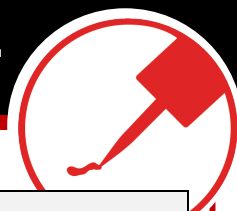


TECHNICAL DATA			
Base	Polysiloxane	Application temperature	5°C to 35°C
Consistency	Stable Paste	Maximum tension**, ISO 11600	Ca. 1.35N/mm ² (MPa)
Curing system	Moisture Curing	Elongation at break**	> 600 %
Skin formation*, (23°C/50% RH)	Ca. 10 min	Maximum allowed distortion, ISO 11600	± 25 %
Curing speed*, (23°C/50% RH)	Ca. 2mm/24hr	Elastic Modulus**, ISO 37	Ca. 0.40 N/mm ² (MPa)
Density	Ca. 1.00g/mL (Clear), Ca. 1.26g/mL (Colours)	Elastic Recovery**, ISO 7389	> 80 %
Hardness**, Shore A	Ca. 25 ± 5	Temperature resistance	-60°C to 150°C

* Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

**This information relates to fully cured products.

SUBSTRATES
Substrate condition
Rigid, clean, dry, free of dust and grease
Substrate preparation
For optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water-loaded joints, we recommend following a pretreatment procedure.
• Prepare non-porous surfaces with a Soudal Surface Activator. • Prepare porous surfaces with Soudal Primer 150.
Substrate types
Roof & Gutter Silicone has a good adhesion to most commonly used substrates.
Not suitable for PE, PP, PTFE (eg. Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass
Due to the wide variety materials used, we recommend a preliminary adhesion and compatibility test on every surface.



APPLICATION

Application method	Cleaning method
Apply the product with caulking gun. Smoothen the joint with a spatula with the help of finishing solution. Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).	Clean with Soudal Cleaner & Degreaser, Soudal Swipex or Soudal Trade Tough Wipes, immediately after use. Cured Roof & Gutter Silicone can only be removed mechanically
Finishing method	Repair method
Finish by using a soapy solution or Soudal Finishing Solution to tool before skinning.	Cut out damaged area and replace with the same material.

PACKAGING / LOGISTICS

Cartridge: 300mL

Please refer to our website for colour availability:

Australia: <https://soudal.com.au/silicones/roof-gutter/>

New Zealand: <https://soudal.co.nz/products/silicones/roof-gutter-silicone/>

Shelf Life

12 months in original, unopened packaging in a cool and dry storage place with temperature between +5°C and +25°C.

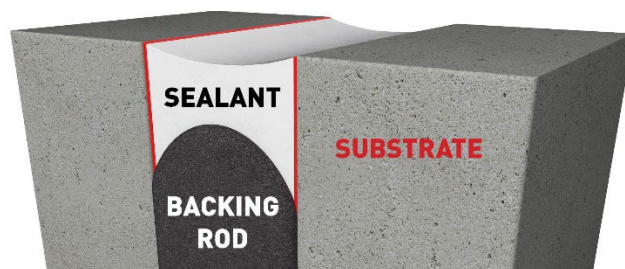
HEALTH AND SAFETY RECOMMENDATIONS

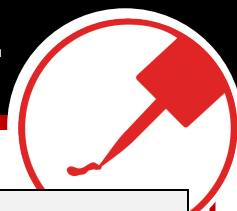
Practice standard industrial hygiene. Refer to SDS or packaging label for more information.

JOINT DIMENSIONS

	Joint Width	Joint Depth
Minimum	5mm	5mm
Maximum	30mm	15mm

Recommendation for sealing, Width <10mm: Width = Depth.
Width >10mm: Width = ½ Depth





BUILDING PRODUCT INFORMATION*

**This section applies to NZ only.*

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.

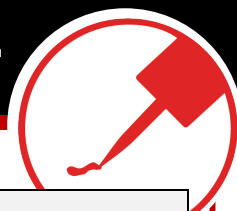
Performance E2.3.2: In accordance with E2/AS1. This product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification. soudal.co.nz. When used to seal flexible joints, as part of a roofing or wall cladding system, or around external openings, such as windows and doors,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

STANDARDS & CERTIFICATES

WaterMark WMTS-014:2016 Licence: WM023300



ENVIRONMENTAL CLAUSES

Leed regulation: Roof & Gutter Silicone conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

REMARKS

- Not suitable as adhesive for structural glazing applications.
- Roof & Gutter Silicone is not suitable for contact with secondary sealant of insulating glass units.
- Not appropriate for applications in direct contact with PVB film in laminated glass, we recommend to use Silirub WS+ instead.
- Not suitable for bonding mirror.
- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA for this application.
- The use of Soudal Surface Activator is recommended in combination with powder coated aluminium.
- A total absence of UV can cause a colour change of the sealant.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in colour does not affect the technical properties of the product.
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched by this solution. This will cause the sealant not to adhere to that surface. Therefore we recommend to only dip the finishing tool in this solution.
- We strongly recommend not to apply the Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- Do not use in applications where continuous water immersion is possible.
- Not suitable for bonding aquariums.
- Do not use on polycarbonate. Use Silirub PC instead.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application

This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.