



PRODUCT NAME	Soudal All Purpose Silicone
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PRODUCT DESCRIPTION
All Purpose Silicone is a high performance, neutral cure, low odour, high quality all-rounder sealant for façade, glazing, sanitary, etc. application.
Available in 18 different colours matching most Colorbond® profiles.



Product image

PROPERTIES	APPLICATIONS
<ul style="list-style-type: none"> • UV-resistant • Very easy to apply • Permanently elastic after curing • Very good adhesion on many materials • Mould resistant • Very good moisture resistance • Very good resistance to ageing • Excellent adhesion properties on glass, Colorbond®, galvanised steel, concrete, etc. • Food safe* • WaterMark certified – Water potable • Not paintable 	<ul style="list-style-type: none"> • All usual building joints with high movement. • Sealant joint works. • Expansion joints between many different construction materials. • Sealing between PVC, treated wooden and metal profiles and glass. • Roof & Gutter, Bathroom & Kitchen, Glass & Glazing applications

TECHNICAL DATA			
Base	Polysiloxane	Elasticity Modulus 100% (ISO 37)**	Ca. 0.26 N/mm ² (MPa)
Consistency	Stable Paste	Elastic Recovery (ISO 7389)**	'> 80%
Curing system	Moisture Curing	Elongation at break (ISO 37)**	'> 700%
Skin formation* (23°C/50% R.H.)	Ca. 9 min	Maximum tension (ISO 37)**	Ca. 1.10 N/mm ² (MPa)
Curing speed* (23°C/50% R.H.)	Ca 2 mm/24hr	Shore A Hardness**	Ca. 16 ± 5
Maximum allowed distortion	± 25%	Density	Ca. 1.38 g/ml
Application temperature	5°C → 35 °C	Temperature resistance	-60°C → 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 product



BUILDING PRODUCT INFORMATION*		<i>*This section applies to NZ only.</i>	
Manufactured by	Soudal NV	Distributed by	Soudal Ltd
Relevant building code clauses			
<ul style="list-style-type: none"> • 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			
<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>			

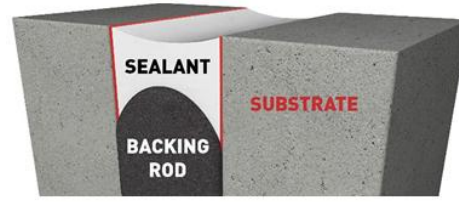
SUBSTRATES	
Types:	All usual building substrates
Condition:	rigid, clean, dry, free of dust and grease.
Substrate Preparation	<p>All Purpose Silicone has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water- loaded joints, we recommend to follow a pretreatment procedure.</p> <ul style="list-style-type: none"> • Prepare non-porous surfaces with a Soudal Surface Activator or Cleaner & Degreaser. • Prepare porous surfaces with Soudal Primer 150. <p>• Not suitable for PE, PP, PTFE (eg. Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass.</p> <p>• Due to the wide variety materials used in façade technology, we recommend a preliminary adhesion and compatibility test on every surface.</p>



Recommended joint dimensions

JOINT		
	Width	Depth
Min	5 mm	5 mm
Max	30 mm	15

Recommendation for sealing: ½ width = depth



Glazing Applications	Expansion Joints
<ul style="list-style-type: none"> • Top sealing <ul style="list-style-type: none"> · min. width 4mm · depth at least 6 mm. • Min. width for connection joints around windows: 10mm 	<ul style="list-style-type: none"> • Joint width 5 - 10mm: joint depth 5mm. • Joint width 10 - 30mm: depth=1/2 * width. <p>Recommended joint configuration for connection joints and joints subjected to shear: depth = width (min 5 mm).</p>

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). Application method: With manual- or pneumatic caulking gun.	Clean with Soudal Surface Cleaner or with Soudal Swipex, immediately after use. Cured All Purpose Silicone can only be removed mechanically.
Finishing method	Repair method
With a soapy solution or Soudal Finishing Solution before skinning.	Repair: With the same material.

PACKAGING / LOGISTICS
<ul style="list-style-type: none"> • 300 ml cartridge • 15 months in original, unopened packaging in a cool and dry storage place with temperature between +5°C and +25°C.

**REMARKS**

- Not suitable as adhesive for structural glazing applications.
- Do not use on natural stones like marble, granite,...(staining). Use Soudal Silirub MA for this application.
- Do not use for bonding mirrors.
- 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.

Standards & Certificates

- Complies with ISO 11600 F 25 LM
- Meets ISO 11600 G 25LM
- AU: WaterMark WMTS-014:2016 Licence: WM023300
- Food Safe: IANESCO Report #: E18-44979

Environmental Clauses

Leed regulation:

All Purpose 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.

HEALTH AND SAFETY RECOMMENDATIONS

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information. Use only in well-ventilated areas.

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.