

Code	Description	Size	Colour
60080	Soudal Silirub Industrial Silicone	300ml	Clear
19324	Soudal Silirub Industrial Silicone	300ml	Grey
60081	Soudal Silirub Industrial Silicone	600ml	White

Description

Industrial Silicone Sealant is a high quality, neutral, elastic one-component silicone based joint sealant.

Characteristics

- Very easy to apply
- Colourfast and UV stable
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus
- Corrosion free
- Low odour
- Impervious to mould
- Not paintable

Technical Data

<i>Base:</i>	Polysiloxane
<i>Consistency:</i>	Stable Paste
<i>Curing System:</i>	Moisture Cure
<i>Skin Formation (20 °C/65% R.H.):</i>	Ca. 10 min.
<i>Curing Speed (20°C/65% R.H.):</i>	2mm/24h
<i>Hardness(DIN 53505):</i>	25 ± 5 Shore A
<i>Density:</i>	Ca. 1,00g/ml (transp) Ca. 1,26 g/ml (colours)
<i>Elastic recovery (ISO 7389):</i>	>80%
<i>Maximum allowed distortion:</i>	25 %
<i>Temperature resistance:</i>	-60°C to +150°C
<i>Elasticity modulus 100% (DIN 53504):</i>	Ca. 0,40 N/mm ²
<i>Max. tension (DIN 53504):</i>	Ca. 1,35 N/mm ²
<i>Elongation at break (DIN 53504):</i>	>500 %
<i>Application temperature:</i>	5°C to +35°C

*This varies according to ambient conditions such as temperature, humidity, substrate etc

Applications

- 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

Shelf Life

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

Surfaces

<i>Type:</i>	All usual building substrates, glass, aluminium, wood, plastics, concrete, brick, and ceramic tiles
<i>State of Surface:</i>	Clean, dry, free of dust and grease
<i>Preparation:</i>	The use of Gorilla Primer 150 on porous surfaces and Gorilla 696 Surface Activator on non-porous surfaces will improve the adhesion of Soudal Silirub Industrial Silicone Sealant. When glazing clean frame and glass surfaces that come into contact with the silicone sealant.

Soudal recommends preliminary compatibility tests prior to application.

Joint Size

<i>Minimum Width:</i>	5mm
<i>Maximum Width:</i>	30mm
<i>Minimum Depth:</i>	5mm
<i>Recommendation:</i>	2 x depth = width

Glazing Applications:

Top Sealing: min. width 4mm, depth at least 6 mm.
Min. width for connection joints around windows: 10 mm.

Joint Dimensions:	Glazing Applications	Expansion Joints
Min. Width for Joints: 5 mm	Min. Width for Joints: 4 mm	Min. Width for Joints: 5-10 mm
Max. Width for Joints: 30 mm	Max. Width for Connection Joints: 10 mm	Max. Width for Joints: 10-30 mm
Min Depth for Joints: 5 mm	Min Depth for Joints: 6 mm	Min Depth for Joints: ½ the Joint Width
	• See Application Limitations	Shear Joints Min Depth: 5 mm

Application

<i>Method:</i>	Caulking gun
<i>Application temperature:</i>	+5° C until +35° C
<i>Cleaning:</i>	With Soudal Express Cleaner immediately after use
<i>Tooling:</i>	With soapy solution before skin formation
<i>Repair with:</i>	Soudal Silirub Industrial Silicone

Application Limitations

- Do not use Soudal Silirub Industrial Silicone on natural stones like or similar to marble, granite, sandstones, limestones due to potential for staining.
- Due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- Soudal Silirub Industrial Silicone can be applied to a wide variety of substrates. Due to the fact that specific substrates such as metals, plastics, polycarbonate, etc may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.
- Not suitable for the bonding of mirrors.
- Not suitable for continuous underwater use or for use in aquariums.
- While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion the use of Gorilla 696 Surface Activator is recommended.
- There is no adhesion on PE, PP, PTFE (Teflon) and bituminous substrates.
- Direct contact with the secondary sealing of insulation glass units (IGU's) and the PVB-film of safety or laminated glass must be avoided.
- The mould resistance formula should not replace regular cleaning of the joint. Excessive contamination, deposits of organic debris will stimulate the development of fungal and bacteria growth.

Soudal recommends preliminary compatibility tests on surfaces on which Toptec Industrial Silicone has not been applied previously.

Health and Safety Recommendation

- Apply the usual industrial hygiene
- Please refer to the SDS for more detailed 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.**

Last Updated: 26 November 2021

Supplier contact details:	Soudal Ltd	Freephone: 0800 70 10 80
	14 Avalon Drive	Phone: (07) 847 5540
	Nawton	
	Hamilton 3200	Email: sales@soudal.co.nz
	New Zealand	Website: www.soudal.co.nz