

Code	Description	Size	Colour
19313	Soudal Silirub Cleanroom Silicone	310ml	Titania
20187	Soudal Silirub Cleanroom Silicone	600ml	Titania

Description

Soudal Silirub Cleanroom Silicone is a high-quality, neutral, elastic one-component silicone based joint sealant.

Characteristics

- Long open time.
- Excellent moisture and mould resistance.
- Very easy to apply
- Colourfast and UV resistant
- Permanent elastic after curing
- Very good adhesion on many materials
- Low modulus
- Corrosion free

Technical Data

<i>Base:</i>	Polysiloxane
<i>Colour:</i>	Titania
<i>Consistency:</i>	Stable paste
<i>Curing System:</i>	Moisture Cure
<i>Skin Formation (20 °C/65% R.H):</i>	Ca. 9 min
<i>Curing Rate (20 °C/65% R.H):</i>	Ca. 2 mm/24h
<i>Hardness</i>	25 ± 5 Shore A
<i>Density</i>	Ca. 1,03 g/ml (transp, brilliant white) Ca. 1,25 g/ml (colours)
<i>Elastic recovery (ISO 7389)</i>	> 80 %
<i>Maximum allowed distortion</i>	25 %
<i>Temperature resistance</i>	-60 °C → 180 °C
<i>Max. tension (DIN 53504)</i>	1,40 N/mm ²
<i>Elasticity modulus 100% (DIN 53504)</i>	0,39 N/mm ²
<i>Elongation at break (DIN 53504)</i>	700 %
<i>Application temperature</i>	5 °C → 35 °C
<i>VOC Limit</i>	29 g/L

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

Applications

- Joints in sanitary rooms (on synthetic baths and tubs) and kitchens.
- Top sealing in glazing.
- Sealing in refrigerators and container construction.
- Sealing in air-conditioning systems.

Shelf Life

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

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.

Joint Size

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.

Application

Substrates:	all usual building substrates, ceramic tiles, enamel, stainless steel, acrylic baths, glass
Nature:	clean, dry, free of dust and grease.
Surface preparation:	Porous surfaces in water loaded applications should be primed with Primer 150. No primer needed for non-porous substrates. There is no adhesion on PE, PP, PTFE (Teflon®), silicones and bituminous substrates.
Cleaning:	Clean with Gorilla Solvent Cleaner, Soudal Express Cleaner or Gorilla 696 Surface Activator immediately after use.

Soudal recommends preliminary compatibility tests prior to application.

Remarks:

- Do not use on natural stones like marble, granite (staining).
- Direct contact with the primary sealing of double glazing units (insulation) and the PVB-film of safety glass must be avoided.
- Do not use on polycarbonate.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remaining will stimulate the development of fungi.

Testing & Approvals:

- Agriquality approved
- Tested according to FDA regulations code CFR 21 § 177.2600 (e) and (f)

Tests and Certifications:

- **Agri Quality NZ Approved**
- IKI (Institut für Krankenhaushygiene, Giessen, Germany) approvals for Desinfection and barrier against microorganisms (on Trespa Meteon panels)
- **FDA CODE 177.2600 (e) and (f)** test by IANESCO (France), rapport 10228, dated 31 October 2002.
- **BRANZ Appraisal No. 844 (2014)**

Health and Safety Recommendation

- Apply the usual industrial hygiene.
- 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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