

Code	Description	Size	Clear
176412	Soudal Electrical Silicone Sealant	300ml	Clear

1. Description

Soudal Electrical Silicone Sealant is a fast curing neutral cure, fully elastic one- component joint sealant based on silicones which meets ISO 11600 F+G 25LM.

2. Characteristics

- Non corrosive
- Waterproof
- UV resistant
- Neutral & fast cure
- Will provide protection to 'IP67' when applied in accordance with the Technical Data Sheet.

3. Technical Data

Base:	Polysiloxane
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin formation* (20°C / 65% R.H.):	Ca. 10 min
Curing speed * (20°C / 65% R.H.):	2 mm/24h
Hardness:	25 ± 5 Shore A
Specific Gravity (DIN 53479):	Ca. 1,00 g/ml (transp), Ca, 1,26 g/ml (colours)
Elastic recovery (ISO 7389):	> 80 %
Maximum allowed distortion:	±25 %
Elasticity modulus 100% (DIN 53504):	0,40 N/mm ²
Max. tension (DIN 53504):	1,35 N/mm ²
Elongation at break (DIN 53504):	>500 %
Application Temperature:	+5°C → +35°C
Temperature resistance:	-60°C → +150°C
VOC	2%

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

4. Applications

- The non-corrosive properties of Soudal Electrical Silicone Sealant makes it ideally suited for lead wire entries, conduit terminal boxes, component mounting, conduit ends, cover plates and conductor entry boxes.

5. Packaging

Cartridge 300mL

6. Shelf Life

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

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

Surfaces:

Type: The non-corrosive properties of Soudal Electrical Silicone Sealant makes it ideally suited for protecting sealing of electrical materials such as copper, brass, silver, etc.

State of Surface: Ensure surface is clean, dry, free of dust and grease.

Preparation: Porous substrates; surfaces such as lightweight aerated concrete, masonry plasters, bricks and other surfaces regarded as very porous should be primed with Soudal Primer 150 or Soudal Primer 100 with PU based sealants. 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 Soudal Surface Activator will maximise adhesion.

Activator should be used to enhance adhesion to non porous surfaces.

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

Joint Size:

Minimum Width: 5mm
Maximum Width: 30mm
Minimum Depth: 5mm
Recommendation: 2 x depth = width

Application:

Method: Caulking gun
Application temperature: +5°C to +35°C
Clean: Soudal Solvent Cleaner.

Finish: With soapy water before skinning
Repair: Soudal Electrical Silicone Sealant

Warning:

- This product is not recommended for primary electrical insulation.
- This product is not designed for direct contact to copper and brass related metals
- 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 users 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.

9. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Consult the 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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