

SILIRUB IS

Revision: 1/04/2024

Page 1 of 2

Technical Data

Basis	Polysiloxane
Consistency	Paste
Curing System	Moisture Cure
Specific Gravity (g/ml)	Clear : 1.00 , Colors : 1.29
Skin formation time (20 °C/65% R.H) (min)*	Ca. 5-15
Curing rate (20 °C/65% R.H) (mm /24h)*	Ca. 2
Hardness, Shore A, Points (ISO 868)**	22±5
Tensile Strength (N/mm ²) (ISO 37)**	1.46
Elongation at Break (%) (ISO 37)**	>600
Maximum allowed Distortion (%)	20
Elastic Recovery (ISO 7389)**	>80
Elasticity Modulus 100% (N/mm ²) (ISO 37)**	0.5
Temperature Resistance (°C)	-60 to +150
Application Temperature (°C)	+5 to +35

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

**This information relates to fully cured products.

Description:

Silirub IS - Industrial Seal is a high performance neutral cure silicone sealant with outstanding adhesive/sealing properties for most of the industrial critical applications. Silirub IS - Industrial Seal is FDA (food grade) approved by IANESCO (France).

Properties:

- Very easy to apply
- Permanently elastic after curing
- Impervious to mould (anti fungus)
- Very good adhesion on many materials
- UV-resistant
- Very good moisture resistance
- Very good resistance to ageing
- Not paintable
- Not suitable for natural stone
- FDA approved (food grade)
- Excellent UV resistance
- Sealing of solar panels & junction boxes

Packaging:

Colour: Clear, Brilliant White, RAL-9001, RAL-9002, RAL- 9010

Packaging: cartridge 280ml

Applications:

- Joints in sanitary rooms (on synthetic baths and tubs) and kitchens.
- All usual building joints with high movement.
- Expansion joints between many different construction materials.

Shelf Life and Storage:

12 months from date of manufacturing in unopened packaging stored in a cool and dry place at recommended temperatures between +5°C and +25°C.

Health and Safety Recommendations:

Apply the usual industrial hygiene.
Consult the label for more information.

Substrates:

Type: All usual building surfaces

State of Surface: Clean, dry, free of dust and grease

Preparation: Apply Primer 150 on porous surfaces in water loaded applications – no primer required for non porous surfaces. Surface Activator should be used to enhance adhesion to non porous surfaces.

We recommend a preliminary compatibility test.

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. 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. In every case it is recommended to carry out preliminary experiments.

Soudal India Pvt. Ltd.

Plot No. 200, Sec. 4, Phase - II, Growth Centre, Bawal, Dist. Rewari, Haryana - 123501 (India)

info@soudal.in | www.soudal.in | +91 8010-114-114

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Revision: 1/04/2024**Page 2 of 2****Joint Size:**

Minimum Width: 5mm

Maximum Width: 30mm

Minimum Depth: 5mm

Recommendation: 2 x depth = width

Application Method:

Method: caulking gun

Application temperature: +5°C to +35°C

Clean: with white spirit immediately after use

Finish: with soapy water before skinning

Repair: with Silirub IS

Remarks:

- This sealant should not be used in contact with PVB-films or the sealing of double glass windows and security glass.
- Do not use on natural stones (marble, granite,...) For this application we recommend Silirub MA or Soudaseal 212CS.
- We recommend a preliminary adhesion test on PVC.

FDA CODE 21 §177.2600 (e) and (f) tests by IANESCO (France), rapport 11/04731, dated 18 April 2011

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