
SILIRUB CLEANROOM

Revision: 25/11/2011

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Technical Data:

Base	Polysiloxane
Consistency	Paste
Curing System	Moisture Cure
Skin formation (20°C/65% R.H.)	Ca. 30 min.
Curing Rate (20°C/65% R.H.)	Ca. 1,5 mm/24h
Hardness(DIN 53505)	20 ± 5 Shore A
Specific Gravity (DIN 53479)	1,36 g/ml
Temperature Resistance	-50°C to +120°C
Elastic Recovery (ISO 7389)	> 80 %
Maximum allowed Distortion	25 %
Elasticity Modulus 100 % (DIN 53504)	0,30 N/mm ²
Maximum Tension (DIN 53504)	2,1 N/mm ²
Elongation at Break (DIN 53504)	> 1200 %

Product:

Silirub Cleanroom is a high-quality neutral, elastic low modulus silicone sealant. The product has been developed for sealing applications in critical surroundings (hospitals, laboratories, pharmaceutical industry) and in foodsafe applications.

Characteristics:

- Permanent colour, UV-resistant
- Stays fully elastic after curing
- Very good adhesion on many materials
- Almost no smell
- Slow skinning time – therefore ideally suited for long joint runs
- Insensitive to fungi and bacteria according to ISO / DIN EN 846
- Tested according to FDA regulations code CFR 21 § 177.2600 (e) and (f)

Applications:

- sealing in cleanroom applications in hospitals, laboratories and other critical surroundings
- sealing in environments where food is handled and stored (food containers, cold store installations, food industry, etc)
- Expansion joints between different building materials

Packaging:

Colour: white, other colours on request

Packaging: cartridge 310mL

Shelflife:

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

Important : The product is heat sensitive. When stored and transported in warm conditions, the shelflife will be limited to 6 months.

Surfaces:

Type: all usual surfaces

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

Preparation: prime porous surfaces with Primer 150 (consult Soudal Primer table), no primer required for non porous surfaces. The use of Soudal Surface Activator on smooth surfaces will improve the adhesion of Silirub Cleanroom.

We recommend a preliminary compatibility test, especially on PVC and powder coated materials.

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.

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Joint Size:

Minimum Width: 5 mm

Maximum Width: 30 mm

Minimum Depth: 5 mm

Recommendation: 2 x depth = width

Application:

Method: caulking gun

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

Clean: with white spirit immediately after use

Finish: soapy water before skinning

Repair: with Silirub Cleanroom

Health- and Safety Recommendation:

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

Remarks:

- Chemically completely neutral

Tests and Certifications:

- **IKI** (Institut für Krankenhaushygiene, Giessen, Germany) approvals for Desinfection and barrier against microorganisms (on Trespa Meteon panels)
- **FDA CODE 21 §177.2600 (e) and (f)** tests by IANESCO (France), rapport 10228, dated 31 October 2002
- **ift-Rosenheim** conforms to DIN EN ISO 11600-F 25 LM
- **Institut für Lufthygiene-Berlin**
Insensitive to fungi and bacteria according to ISO / DIN EN 846
Test report BM 11/09-02

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