

Cartridge Sealants

Silirub Cleanroom Food Safe Silicone

Product Description

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.

Features

- Permanent colour – UV-resistant – virtually odourless
- Stays fully elastic after curing
- Very good adhesion on a wide range of materials
- Slow skinning time, so ideally suited for long joint runs
- Tested according to FDA regulations Code CFR 21 § 177.2600 (e) and (f)

Typical 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



Application Advice

To achieve the performance required from a cartridge sealant or adhesive, please ensure the following is achieved:

1. Surface is clean, dry and dust free
2. Avoid cross contamination with chemicals (if unsure please see contact with your technical advisor)
3. System manufacturers guidance is followed with regard to grade of material for warranty purposes
4. System manufacturers guidance is followed with regard to positioning of material

Failure to follow these guidelines may impact on the longevity and success of the seal.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. October 2014

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Silirub Cleanroom	
Base	Polysiloxane
Consistency	Paste
Colours	White
Skin formation	ca. 30 mins. (20°C / 65% RH)
Curing rate	ca. 1.5mm/24 hr (20°C / 65% RH)
Hardness (Shore A – DIN 53505)	20 ± 5
Specific gravity (DIN 53479)	1.36 g/ml
Temperature resistance	-50°C to +120°C
Application temperature	+5°C to +35°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%
Shelf life	12 months

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