Soudaseal Cleanroom

Technical data

Basis	MS Polymer
Consistancy	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 10 min
Curing speed * (20°C / 65% R.H.)	2 mm/24h → 3 mm/24h
Hardness	40 ± 5 Shore A
Density	1,67 g/ml
Elastic recovery (ISO 7389)	> 75 %
Maximum allowed distortion	± 20 %
Temperature resistance	-40 °C → 90 °C
Max. tension (DIN 53504)	1,80 N/mm²
Elasticity modulus 100% (DIN 53504)	0,75 N/mm²
Elongation at break (DIN 53504)	750 %
Application temperature	5 °C → 35 °C

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

Product description

Soudaseal Cleanroom is a high quality, neutral, elastic, 1-component construction joint and adhesive sealant based on MS-Polymer. Soudaseal Cleanroom is developed for sealing and bonding in cleanroom applications.

Properties

- Excellent adhesion on nearly all surfaces, even if slightly moist.
- Very good mechanical characteristics.
- High elasticity – movement accomodation up to ±20%
- Easy to use and apply, also under difficult circumstances.
- Impervious to mould, contains Carbendazym (biocide with fungicidal action)
- No bubble formation within sealant in high temperature and humidity applications. Good colour stability, weather and UV resistance
- Ecological advantages – free of isocyanates, solvents, halogens and acids paintable with water waterborne paints.

Applications

- Sealing and sticking applications in cleanroomapplications.
- Sealing of several panel types (like e.g. HPL-panels).
- Structural bondings in vibrating constructions.
- Sanitary applications.
- Sealing of floor joints.

Packaging

Colour: white, other colors on request
Packaging: 290 ml cartridge, 600 ml sausage

Shelf life

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

Chemical resistance

Good resistance to water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis and (salt) water. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

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Technical Data Sheet

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Substrates

Substrates: all usual building substrates, natural stone, treated wood, PVC, plastics
Nature: clean, dry, free of dust and grease.
Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. All smooth surfaces can be treated with Surface Activator. The surfaces should be degreased before bonding them together. We recommend a preliminary compatibility test.

Joint dimensions

Min. width for bonding: 2 mm
Min. width for joints: 5 mm
Max. width for bonding: 10 mm
Max. width for joints: 30 mm
Min. depth for joints: 5 mm Recommendation sealing jobs: joint width = 2 x joint depth.

Application method
Application method: With manual- or pneumatic caulking gun. *Cleaning*: With Fix ALL Cleaner immediately after use. *Finishing*: With a soapy solution or Soudal Finishing Solution before skinning. *Repair*: With the same material

Health- and Safety Recommendations
Take the usual labour hygiene into account. Consult label for more information.

Remarks
- Soudaseal Cleanroom may be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- Soudaseal Cleanroom can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibilty test.
- Soudaseal Cleanroom can not be used as a glazing sealant.
- Soudaseal Cleanroom can be used for adhering of and sealing on natural stone.
- When applying, make sure not to spill any sealant on the surface of materials.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainigs will stimulate the development of fungi.

Standards
- IKI (institute für Krankenhaushygiene, Giessen, Germany) approvals for Desinfection and barrier against microorganisms (on Trespa Meteon panels). FDA code 21 §177.2600 (e): tests by
  IANESCO (France), report 10225 dated 31 October 2002
- Institut für Lufthygiene-Berlin: Insensitive to mold and bacteria according to ISO / DIN EN 846. Prufbericht BM 11/09-02.

Environmental clauses *Leed regulation:*
Soudaseal Cleanroom conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED® 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOCcontent.