

SODASEAL CLEANROOM

Revision: 10/04/2006

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Technical Characteristics:

Base	MS-Polymer®
Consistency	Paste
Curing System	Moisture Cure
Skin Formation (*) (20°C/65% R.H.)	Ca. 10 min.
Curing Rate (*) (20°C/65% R.H.)	2 - 3 mm/24h
Hardness (DIN 53505)	40 ±5 Shore A
Specific Gravity (DIN 53479)	1,67 g/ml
Elastic Recovery (ISO 7389)	> 75 %
Maximum Deformation	± 20%
Temperature Resistance (fully cured)	-40°C to +90°C
Elasticity Modulus 100 % (DIN 53504)	0.75 N/mm ²
Tear Strength (DIN 53504)	1.80 N/mm ²
Elongation at break (DIN 53504)	750 %

(*) These values may vary depending on environmental factor such as temperature, moisture and type of substrates

Product:

Soudaseal Cleanroom is a high quality single component joint sealant with high adhesive strength. It is based on MS-Polymer®, chemically neutral and fully elastic. For use as sealant/adhesive in construction and cleanroom applications where a tough flexible rubber is required.

Characteristics:

- Outstanding bond strength on nearly all surfaces
- High performance mechanical properties
- Flexible elastic rubber – movement accomodation up to ± 20%
- Straightforward application even in adverse conditions
- No bubble formation withing sealant (in high temperature and humidity applications)
- Very easy to too and finish
- Good extrudability even at low temperatures
- Colour stable and UV-resistant
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Minimal health and safety considerations
- Can be painted with all water based paints
- No staining of porous materials such as natural stone, granite, marble, etc.

Applications:

Sealing and bonding in cleanroom applications
Sealing and bonding in the building industry
Sanitary applications
Structural bonding in vibrating constructions
Sealing of floor joints

Packaging:

Colour: white, other colours on request
Packaging: cartridge 290 ml

Shelflife:

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

Resistance against chemical agents:

Good resistance to water, mineral oils, grease, diluted inorganic acids and alkalis
Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons

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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Substrates:

Nature: Clean, dry free of dust and grease.

Priming: For porous surfaces Primer 150 may be applied. Non porous substrates may be primed with Soudal Surface Activator.

We recommend preliminary compatibility tests previous to application.

Voegafmetingen:

Minimal width: 2 mm (bonding)
5 mm (joints)

Maximal width: 10 mm (bonding)
30 mm (joints)

Minimal depth: 5 mm (joints)

Recommendation : with of joint = 2x depth of joint

Application:

Method: Manual or pneumatic caulcing gun

Appication temperature: +5°C until +35°C

Cleaning: White Spirit or Surface Cleaner immediately after application and before curing

Tooling: soapy solution before skin formation

Repair with: Soudaseal Cleanroom

Heath and Safety Recommendation:

Apply the usual industrial hygiene

Remarks:

- Soudaseal Cleanroom may be overpainted with waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before appication.
- Soudaseal Cleanroom can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc. may differ from manufacturer, we recommend preliminary compatibility test.

Tests and Certifications:

- **IKI** (institut für Krankenhaushygiene, Giessen, Germany) approvals for Desinfection and barrier against micro-organisms (on Trespa Meteon panels)
- **FDA code 21 §177.2600 (e):** tests by IANESCO (France), report 10225 dated 31 October 2002

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