

SODASEAL HT

Date: 30/11/06

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Technical Characteristics:

Base	MS Polymer®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 10 min. (20°C/65% R.V.)
Curing Rate (*)	2-3 mm/24 h (20°C/65% R.V.)
Hardness	50 ± 5 Shore A
Specific Gravity	1,62 g/ml
Maximum Deformation	± 20 %
Temperature Resistance (fully cured)	-40°C until +90 °C
Elasticity Modulus 100 %	0,75 N/mm ² (DIN 53504)
Tear Strength	1,90 N/mm ² (DIN 53504)
Elastical Recovery	> 75 %
Elongation at break	> 600 % (DIN 53504)
Shear Strength	> 1,5N/mm ²
Substrate	AlMgSi1
Thickness	2 mm
Shear velocity	10 mm/min

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

Product:

Soudaseal HT is a high quality single component adhesive sealant with high adhesive strength and initial tack. It is based on MS-Polymer®, chemically neutral and fully elastic. For use in construction, automotive, marine and aerospace areas where a tough flexible rubber or adhesive with powerful bond strength is required.

Characteristics:

- High initial tack reducing the need for initial support
- High bond strength and fast cure onto nearly all surfaces
- Primerless adhesion even on damp surfaces (due to Soudaseal HT's unique adhesion promoters)
- High performance mechanical properties
- Flexible elastic rubber – movement accomodation up to 20 %
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Very easy to tool and finish

- Good extrudability even at low temperatures
- Colour stable and UV resistant
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Does not contain isocyanates and silicone
- Solventfree and completely neutral – minimal health and safety considerations
- Can be painted with all water based paints and many other systems
- Resistance to many chemicals and withstands mould growth
- No staining of porous materials such as natural stone, blue stone, marble, granite

Applications:

Sealing and bonding in the building industry
Sealing of floor joints and low movement wall joints
Sanitary and kitchen areas – resists mould growth
Structural bonding in vibrating constructions
Connection joints in sheet metal fabrication
Paintable gap filler and sealant
Mirror bonding direct onto the back of the mirror

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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Packaging:

Colour: white, black, other colours on request
Packaging: cartridge 290 ml; foil bag 600 ml,
hobbocks 20 l, drums 200 l on request

Shelflife:

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

Resistance to chemical agents:

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

Substrates:

Nature: clean, 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.

Application:

Method: Manual- or pneumatic caulking gun
Application temperature: +1°C until +30°C
Cleaning: White Spirit or Surface Cleaner immediately after application and before curing
Tooling: soapy solution before skin formation
Repair with: Soudaseal HT

Health- and Safety Recommendation:

Apply the usual industrial hygiene.

Remarks:

- Soudaseal HT may be overpainted with waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compability test before application. The drying time of alkyd resin based paints may increase.
- Soudaseal HT 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 to manufacturer, we recommend preliminary compatibility tests.

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