

## Soudaseal High Tack

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### Technical data

Basis	MS Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 10 min
Curing speed * (23°C/50% R.H.)	2 mm/24h → 3 mm/24h
Hardness**	50 ± 5 Shore A
Density**	1,62 g/ml
Elastic recovery (ISO 7389)**	> 75 %
Maximum allowed distortion (ISO 11600)	± 20 %
Max. tension (ISO 37)**	1,90 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	0,75 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	600 %
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C

\* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. \*\* This information relates to fully cured product.

### Product description

Soudaseal High Tack is a high quality, neutral, elastic, 1-component adhesive sealant based on MS-Polymer with a very high initial tack.

### Properties

- High initial tack reducing the need for initial support.
- Fast curing
- Good extrudability
- high shear strength after full cure (no primer)
- Stays elastic after curing and very durable
- Very low emission, EC1+ certified
- No odour.
- Can be painted with water based systems
- Good weather and UV resistance
- Does not contain isocyanates and no silicones
- Good adhesion on slightly moist substrates

### Applications

- Sealing and bonding in the building and construction industry.
- Structural bondings in vibrating constructions.

- Elastic bonding of panels, profiles and other pieces on the most common substrates (wood, MDF, chipboard, etc).
- Bonding of small objects like ornaments, profiles.
- Elastic structural bonding in car and container industry.
- Bonding of insulation panels.
- Bonding of PVC cable trays.
- Flexible bonding in ship building , car body work and container industry.

### Packaging

*Colour:* white, black, other colors on request  
*Packaging:* 290 ml cartridge, 600 ml foil bag, other packaging on request

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

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**Substrates**

*Substrates:* all usual building substrates, treated wood, PVC, plastics

*Nature:* rigid, clean, dry, free of dust and grease.

*Surface preparation:* Porous surfaces in water loaded applications should be primed with Primer 150. Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet).

Soudaseal High Tack has excellent adhesion on most substrates. We recommend a preliminary adhesion test on every surface. Soudaseal High Tack is has been tested on following metal surfaces: stainless steel, AlMgSi1, electro-galvanized steel, AlCuMg1, hot dip galvanized steel, AlMg3, steel ST1403. Soudaseal High Tack also has a good adhesion on plastics: polystyrene, polycarbonate (Makrolon®), PVC, ABS, polyamide, PMMA, fiberglass reinforced epoxy, polyester. NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Soudaseal High Tack is not recommended in these applications. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

**Joint dimensions**

*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:* Clean with Soudal Surface Cleaner or with Soudal Swipex, 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 and material safety data sheet for more information.

**Remarks**

- Soudaseal High Tack 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.
- While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion the use of Surface Activator is recommended.
- Soudaseal High Tack 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 compatibility test.
- Soudaseal High Tack can not be used as a glazing sealant.
- Soudaseal High Tack can be used for bonding of and sealing on natural stone.
- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- A total absence of UV can cause a color change of the sealant.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.

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- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.

### Environmental clauses

#### *Lead regulation:*

Soudaseal High Tack 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 VOC-content.

### Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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