

Product Description:

SOLL SP6 is a low viscosity, Silyl-Terminated sealant which cures by moisture reaction to form an elastic adhesive-coating. It is isocyanate and silicone free.

Areas of Application:

Specific for spray applications or by paintbrush for sealing seam and welded joints in the automotive industry and in the construction and repair of coaches and car-bodies, railway carriages, industrial vehicles and containers, it also contributes towards protection against corrosion. Excellent primerless adhesion properties to metals, painted surfaces, aluminium, PVC, fiberglass reinforced plastic, ABS, polycarbonate and plastic materials in general (excluding polyethylene, teflon).

Advantages:

- Environmental friendly – Free of isocyanates and solvents
- No Hazard symbol required
- Odourless
- Permanently flexible in temperatures ranging from -40° to 80°C - short time resistance up to 120°C
- No change in volume – No shrinkage
- No bubble formation
- Neutral behaviour, does not attack support surfaces;
- Protects against corrosion;
- Both a fine and/or heavy spray can be obtained by regulation of air pressure and product dosage;
- Sealing of construction joints and electro-welded sheet metal;
- Can be used for both internal and under-body applications;
- Vibration and sound damping properties
- Over-paintable wet on wet with many water, solvent based paints (preliminary tests recommended)

Technical data

Appearance	Thixotropic paste
Colour	Black, Grey and Beige
Chemical nature	SOLL SP6 - Silyl Terminated Polymer
Curing Mechanism	Moisture-curing
Curing through volume [mm] (after 1 day at 23°C and 50% r.h.)	Ca. 2.5
Shore A hardness [N/mm²] (DIN 53505)	Ca. 60
Density [g/cc]	beige 1.47 ± 0,02 black 1.46 ± 0,02 grey 1.46 ± 0,02
Tack-free time [min] (23°C and 50% r.h.)	Ca. 30
Elastic modulus at 100% [N/mm²] (ISO 37 DIN 53504)	Ca. 2.7
Tensile strength [N/mm²] (ISO 37 DIN 53504)	Ca. 3.0
Elongation [%] (ISO 37 DIN 53504)	Ca. 120
Application temperature [°C]	from +5 to +40
Temperature Resistance [°C]	-40/+80, with brief points at +120



SPRAYABLE MS POLYMER SEALANT

SOLL SP6

Product information

Application:

Pre-test substrates for adhesion. Surfaces must be clean, dry, free of water, oil, grease or rust and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper or hard brush. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent. SOLL SP6, can be applied directly without the use of primers on metal painted and non-painted, aluminium, stainless steel, PVC but cleaners and/or primers may be required to achieve optimal adhesion. As a rule, the substrates must be prepared in accordance with the instructions; technical guidance regarding adhesion on specific surfaces may be obtained by submitting substrate samples for analysis to our Laboratories. Use SOLL SP6 with an air-pressure gun equipped with an easily regulated nozzle, spray at a distance of 30-40 cm from object. A smooth spray (orange peel effect) or a more marked effect can be obtained by regulating the nozzle and the air pressure. Spray tests should be effected beforehand in order to obtain the desired effect. SOLL SP6 may be over-painted with most types of lacquers used in industrial applications, however due to the large number of paints and varnishes available on the market, we recommend a compatibility test before application.

Cleaning of equipment:

Clean tools with acetone or alcohol immediately after use. Cured material can only be removed mechanically.

Personal protective measures:

Keep out of reach of children. If skin contact occurs, remove immediately and wash with soap and water.

Packaging:

PE-cartridge 290ml: 12 cartridges per box

Storage:

SOLL SP6 can be stored for 18 months in its original packing (unopened container) at 5° - 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

General Information

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. HELVINA, however, guarantees constant product quality. HELVINA, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.