

POLYURETHANE SEAM SEALER
/ ADHESIVE COMPOUND
TECHNICAL DATA SHEET



Stock	Product	Color	Size
SS107-TB	Polyurethane Seam Sealer/Adhesive Compound	Black	10.5 fl oz (310 mL)

DESCRIPTION:

Polyurethane Seam Sealer/Adhesive Compound is a one component, moisture-cure sealant designed exclusively for automotive uses. This product cures under the effect of atmospheric humidity to form a permanently flexible and resistant joint. This product is a high quality elastomeric sealant formulated to combine high flexibility with high ultimate strength, permanent bonds and long service life. This product provides excellent adhesion to a wide variety of substrates and comes in an easy to use, non-sag consistency suitable for easy application with a standard caulking gun in both horizontal and vertical automotive joints.

FEATURES:

- Fast cure; high elasticity
- Paintable
- Very good adhesion to a wide variety of substrates
- Non-sag formula
- Easy application, ready to use, no mixing required

DIRECTIONS FOR USE

SURFACE PREPARATION:

1. Dry surface and then clean with solvent to remove oil, grease, dirt, or other foreign matter that could inhibit bonding. Surface must be clean, dry and rust free.
2. When applying over a painted surface, the paint must be completely cured.
3. Product can be applied over bare metal or primer. Bonds to rigid surfaces are usually improved by a solvent wipe, following by light sanding (150 – 180 grit) and another solvent wiping to remove any sanding residue. For best practice/optimum corrosion protection if applying over bare metal, apply a two component DTM primer. Follow manufacturer's recommendations on dry times.
4. Dry surfaces thoroughly before applying sealant.

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APPLICATION:

1. Cut cartridge nozzle to desired bead size; puncture metal seal on cartridge top and attach nozzle.
2. Remove bottom cover and apply seam sealer using either a manual or pneumatic caulking gun.
3. Apply a bead of sealant to the surface / joint to be bonded / sealed.
4. After application tool joint firmly using a wet and soapy plastering knife for appearance and to ensure good substrate wetting.
5. This product should be used within 24 hours of opening the cartridge; otherwise the sealant could harden inside.
6. If applied in cooler weather, store the packaging at about 75°F before use. Do not apply below 41°F.
7. Do not apply on silicones or in the presence of cured silicones. Avoid contact with alcohols and solvents during curing.
8. Clean up any uncured material with MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

TYPICAL PROPERTIES:

Appearance	Non-sag paste
Color	Black
Density	1.18 ± 0.05 g/ml @ 72°F (22°C)
Slump resistance	Excellent
Application Temperature	41 to 95°F
Skin Formation Time (72°F, 50% RH)	Ca. 60 minutes
Cure Time (72°F, 50% RH)	Ca. 4 mm/24 h (> 1/8 inch per 24 hours)
Final Shore A hardness	Ca. 45
Paintability	Water-based:yes, after drying (Solvent-based:test)
Tensile Strength	Ca. 1.4 MPa (203 psi)
Modulus at 100% Elongation	0.6 MPa (87 psi)
% Elongation at break	600+ %
Service Temperature	- 40 to 190°F
VOC Content	8 - 9 % w/w (<110 g/l)
Packaging	310 ml / 10.5 fl oz cartridge

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STORAGE AND HANDLING:

The product should be stored in the original containers between 5 and 25°C. The packaging must be protected from direct sunlight and heat. Store in a cool and moisture free environment.

SAFETY PRECAUTIONS:

Contains xylene and isocyanates. **WARNING:** Flammable, irritant. Vapor harmful. Use only under well-ventilated conditions away from heat, sparks or flames. Do not breathe fumes. Avoid eye contact and prolonged contact with the skin. In case of skin or eye contact, flush thoroughly with water for 15 minutes and get medical attention if irritation persists. If breathed in, move person to fresh air. If swallowed, seek medical advice immediately and show the container label. **KEEP OUT OF REACH OF CHILDREN.**

For more information, please see our latest safety data sheet.

All figures, recommendations and safety precautions are based on thorough investigations and our actual experience and are without engagement. Although the documentation has been set up with most carefulness, we do not accept any responsibility for mistakes, inaccuracies or printer's errors. We reserve the right to adjust the product, whenever we feel necessary. Because the design, the quality of the substrate and the conditions during application fall beyond our control, no responsibility for executed works can be accepted on the basis of this documentation. We therefore recommend to carry out own tests on the spot.