



# Self-Leveling Seam Sealer

## 08307

Technical Data

January 2024

3M Part Numbers	3M Part Descriptor
08307	3M™ Self-Leveling Seam Sealer

### Product Description

3M™ Self-Leveling Seam Sealer utilizes a flexible two-part epoxy technology to produce a durable sealer capable of sealing seams in properly prepared metal enclosures (such as auto bodies). This sealer provides a self-leveling characteristic that allows it to flow before curing and is perfect for horizontal applications requiring a smooth, puddled, application of seam sealer. 3M™ Self-Leveling Seam Sealer requires top coating with paint in the case of outdoor applications where UV exposure exists.

### Features

- Two-Part Flexible Epoxy Chemistry
- 200 mL Dual - Syringe Cartridge
- Metered Static Mixing
- Self-Leveling Formula

### Typical Physical Properties

NOTE: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Container	200 mL Dual-Syringe Cartridge
Base	Epoxy
Density lbs./Gallon (Approx.)	9.3 / 9.8
Color	Clear / Clear
Flash Point	>200°F (93.3°C)
Viscosity (CPS) Brookfield Viscometer	5,000 – 15,000
Solids Content (Approx.)	100%
Consistency	Thin syrup
Service Temperature	-20°F to 180°F (-29°C to 82°C)
Solvent	N/A

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## Product Uses

3M™ Self-Leveling Seam Sealer is designed for use in the auto body industry and is typically used to replace “roof division channel” sealers, this sealer is not recommended for the repair of vessels designed to contain liquids or liquids under pressure.

Use with the following applicators: PN 08117 (manual), PN 08571 (manual), PN 09930 (pneumatic)

3M™ Mix Nozzle: PN 08193 (6/bag, PN 08194 (50/box)

**For professional use only. Not intended for retail sale.**

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## Performance Properties

NOTE: The following times have been determined with ambient air temperature and substrate temperature @ 70°F (21°C) and are considered typical values.

<b>Work Time:</b>	8 minutes
<b>Mix Nozzle Dwell Time:</b>	6 minutes
<b>Sand Time:</b>	N/A
<b>Cure Time:</b>	1 hour
<b>Paint Time:</b>	15 minutes
<b>Tensile Strength:</b>	7995 psi
<b>Elongation:</b>	8%

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## Directions for Use

### **SURFACE PREPARATION:**

**NOTE:** Apply only to surfaces primed with a 2K urethane, 2K epoxy primer, or clean, sanded paint or E-coat. Acid etch primers should never be in direct contact with seam sealer.

1. Scuff primed surface with a Scotch-Brite™ General Purpose Hand Pad Ultra Fine (PN 07448).
2. Blow off dust with clean, compressed air and wipe with an appropriate VOC compliant surface cleaner.

### **PRODUCT PREPARATION:**

1. Insert cartridge into applicator gun.
2. Remove retaining collar and plug from end of cartridge. Discard plug, save retaining collar.
3. Extrude a small amount of product until both parts A and B dispense equally.
4. Attach 3M™ Mixing Nozzle (PN 08193) to cartridge and lock in place with retaining collar.
5. Dispense a small amount of material and discard.

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## Directions for Use, cont.

### GENERAL REPAIR PROCESS:

1. Extrude sealer onto surface, being sure to keep end of mixing nozzle submerged in the seam sealer to reduce the possibility of entrapping air in the product.
2. Allow to cure a minimum of 15 minutes before beginning the painting process.

NOTE: If the sealer is allowed to cure more than 24 hours, scuff the sealer prior to any painting steps.

### APPLICATION WARNINGS:

- Not to be used in direct contact with acid etch primers.
- This is a flow grade sealer. Protect any surfaces that it may run, drip or flow onto.

### CLEAN UP:

Prior to curing, 08307 may be cleaned from most surfaces with an appropriate VOC compliant product for removal of surface contaminants.

### STORAGE:

After initial use, leave mix nozzle in place to seal the cartridge.

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## Applications

Sealing of seams in properly prepared sheet metal enclosures where a “self-leveling” sealer is required.

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## Storage and Handling

### HANDLING

Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep out of the reach of children. Keep container closed when not in use. Avoid breathing of dust created by cutting, sanding, grinding, or machining. For industrial or professional use only. Avoid eye contact with dust or airborne particles.

### STORAGE

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 12 months from the date of manufacture. Store in a dry area at 72°F (22°C) for optimal shelf life. Store away from acids and other oxidizing agents.

**After use, leave mix nozzle in place to seal the cartridge**

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## Precautionary Information

Before using this product, please reference Product Label and/or Safety Data Sheet for Health and Safety Information. Note: Laws controlling the acceptable amounts of Volatile Organic Compounds (VOCs) vary by state, and in some cases by locality. For surface preparation and clean-up activities, consult federal, state and local regulations regarding use of products containing VOCs in your area.

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## Technical Information

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