



Self-Leveling Seam Sealer

08307

Technical Data Sheet

January, 2012

3M Part No.(s)	3M Part Descriptor(s)
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 out door 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 (Appx.)	9.3 / 9.8
Color	Clear / Clear
Flash Point - °F	>200
Viscosity (CPS) Brookfield Viscometer	5,000 - 15,000
Solids Content (Appx.)	100%
Consistency	Thin syrup
Solvent	N/A
Service Temperature - °F	-20°F to 180°F

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08307

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. 3M™ Self-Leveling Seam Sealer may be suitable for some architectural or industrial applications (user assumes responsibility to test for suitability).

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

3M™ Mix Nozzle: PN 08193 (6/bag), PN 8194 (50/box).

Typical Performance Properties

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

WORK TIME:

8 minutes

MIX NOZZLE DWELL TIME:

6 minutes

SAND TIME:

N/A

CURE TIME:

1 hour

PAINT TIME:

15 minutes

TENSILE STRENGTH:

7995 PSI

ELONGATION:

8%

Directions for Use

SURFACE PREPARATION:

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

1. Scuff primed surface with a Scotch-Brite™ General Purpose Hand Pad (Ultrafine), (PN. 07448).
2. Blow off dust with clean, un-oiled, compressed air and wipe with a clean, dry rag.

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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08307

Directions for Use (continued)

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 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 3M VOC compliant product for removal of surface contaminants. Reference the 3M Automotive Aftermarket Catalog for a suitable VOC compliant product.

STORAGE:

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

Applications

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

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 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

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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For Additional Health and Safety Information



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This is the last page