



MSP Seam Sealer

08369 • 08370

Technical Data Sheet

December, 2015

3M Part No.(s)	3M Part Descriptor(s)
08369; 08370	3M™ MSP Seam Sealer

Product Description 3M™ MSP Seam Sealer is a premium one-part moisture-curing automotive seam sealer designed for application to exterior and interior body seams. 3M™ MSP Seam Sealer may be applied to properly prepared primer/paint coated surfaces or properly prepared bare metal surfaces. 3M™ MSP Seam Sealer also functions as a weld through sealer when used in conjunction with squeeze type resistance spot welding (STRSW) operations. 3M™ MSP Seam Sealer may be painted with common automotive type paint systems (water and solvent borne systems) in thirty minutes and up to twenty four hours later (scuff after 24 hours).

Features

- Flexible 310 mL Package
- Moisture Cure Technology
- Weld Through Capability
- Direct to Metal Application

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	310 ml Flexpak
Base	Modified Silane Polymer
Density	11.9 lbs/gal.
Color	White (08369), Gray (08370)
Flash Point	144°F (62°C)
Viscosity	1,000,000,000 cps
Solids	97%
Consistency	Paste
Service Temperature	-30°F to 200°F (-34°C to 93°C)
Solvent	Minimal Naphtha

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Product Uses General sealing of interior and exterior automotive seams including floor pans, hem flanges, frame rails, rear body panels, aprons and other seams including those requiring weld through applications using squeeze type resistance spot welding.

Use with the following accessories:

- 3M™ Manual Flexible package Applicator (PN 08398)
- 3M™ Air Operated Flexible Package Applicator (PN 08399)
- 3M™ Flexible Pack Nozzle (PN 08188)
- 3M™ OEM Seam Sealer Tip Adapter Nozzle (PN 08206)

For professional use only. Not intended for retail sale.

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

Cold Temperature Resistance @ -20°F (-29°C)	(Remains Flexible)
Heat Resistance - 8 Weeks @ 200°F (93°C)	(Remains Flexible)
Adhesion - Primed Metal: Excellent	(Cohesive Failure)
Bare Metal: Excellent	(Cohesive Failure)
Tensile Strength: Good	(120 psi)
Flexibility: Excellent	(350% Elongation)

Directions for Use **Directions for Use (primer or paint surface)**

1. Clean the surface with a VOC compliant surface cleaner to remove any contaminates.
2. Scuff the surface using a 3M™ Scotch-Brite scuff pad or grade P180 to P320 abrasive.
3. Blow off and re-clean the surface to ensure proper adhesion.
4. Install foil package into barrel of 3M™ Flexible Package Applicator Gun, P.N. 08398.
5. Using a scissors, cut a small opening across the top end of package and fold back flaps.
6. Place nozzle over the opened end onto the gun barrel.
7. Replace the retaining collar.
8. Cut nozzle to provide desired bead size.
9. Apply seam sealer and tool (if necessary) to desired finished appearance.
10. Allow 30 minutes before painting, after 24 hours scuff with a 3M™ Scotch-Brite scuff pad.

Directions for Use (bare metal or weld through surface)

Note: For weld through operations (prior to welding the panel(s) make test welds on scrap parts to assure proper welding machine settings).

1. Remove coatings on all sides of weld flanges.
2. Apply seam sealer to all bare metal between weld flanges (brush to cover all bare metal).
3. Mate parts together and clamp in place.
4. Be sure to use a shunt clamp and start welds near the clamp.

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Directions for Use (continued)

Next

1. Clean the surface with a VOC compliant surface cleaner to remove any contaminants.
2. Grind any weld nuggets (grade 50 to 80) or scuff spot weld locations using a non woven coarse grade surface conditioning disc or belt.
3. Blow off and re-clean the surface to ensure proper adhesion.
4. Install foil package into barrel of 3M™ Flexible Package Applicator Gun, P.N. 08398.
5. Using a scissors, cut a small opening across the top end of package and fold back flaps.
6. Place nozzle over the opened end onto the gun barrel.
7. Replace the retaining collar.
8. Cut nozzle to provide desired bead size.
9. Apply seam sealer and tool (if necessary) to desired finished appearance.
10. Allow 30 minutes before painting, after 24 hours scuff with a 3M™ Scotch-Brite scuff pad.

NOTE: 3M™ MSP Seam Sealer may be applied to properly prepared bare metal and/or primer/paint coated surfaces, and can be used as a “weld through” sealer when squeeze type resistance spot welding equipment is used.

Acid etch primer is not recommended to be used in direct contact with any 3M seam sealer. Residual acid can weaken the bond.

Applications

General purpose automotive seams, including door skins, rocker panels, rear body panels, trunk seams, floor pans, etc.

Storage and Handling

Store at room temperature. Rotate stock on a “first-in-first-out” basis. When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 12 months. Use in a well-ventilated area.

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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 (VOC's) 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.

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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