Autobody Sealant

08300 • 08301 • 08302

Technical Data Sheet **July 2017**

3M Part No.(s)	3M Part Descriptor(s)
08300	3M™ Autobody Sealant - tan, 1/10 gallon cartridge
08301	3M™ Autobody Sealant - tan, 5 oz. tube
08302	3M™ Autobody Sealant - clear, 5 oz. tube

Product Description

3M™ Autobody Sealant is an excellent heavy-bodied, solvent-based, seam sealer which adheres well to properly prepared primer and paint, as well as glass and aluminum.

Features

- Fast drying, fast paint time
- Remains flexible over time
- Common, easy to use cartridge system

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	1/10th gallon cartridge or 5 oz. tube	
Base	Synthetic Rubber	
Density lbs/Gallon (Appx.)	7.85	
Color	Tan (P.N. 08300, 08301)	Clear (P.N. 08302)
Flash Point - °F	40°F (Closed Cup)	
Solids Content (Appx.)	64%	
Consistency	Buttery Paste	
Solvent	Toluene, Mineral Oil	
Service Temperature - °F	-20 to 180°F	

Product Uses

A variety of external or non-passenger compartment sealing applications on automobiles. Also used in many non-automotive applications where quick, inexpensive seam sealing is desired.

NOTE: 3M does not recommend using this seam sealer in interior passenger compartment or trunk compartment applications. An objectionable residual solvent odor lasting up to a month has been reported by customers using the product. For seam sealers without this issue, choose 3M™ Urethane Seam Sealers (PN 08360/08361/08364) or 3M™ MSP Seam Sealers (PN 08369/08370).

For professional use only. Not intended for retail sale.

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Typical Performance Properties

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

1. Sag Resistance, @ 30 minutes
   1/4 inch bead 0 inch
   3/8 inch bead 0 inch
2. Tack Free Time @ 75°F
   45 minutes
3. Adhesion To:
   Glass Good
   Painted Metal Very Good
   Aluminum Good
4. QUV 150°F/500 hours — No effect on clarity or elastomeric properties
5. Flexibility (60 mil spread) — Flexible over a 2 inch mandrel @ -20°F
6. Hardness, Rex — 45

Directions for Use

NOTE: 3M Best Practice is that all sealers, unless designated specifically for use on bare metal, be applied to properly prepared automotive paint, primer or E-coat. Applying over bare metal may not provide adequate corrosion protection.

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

1. For primer coated areas, lightly scuff the area where the sealer is to be applied with a fine abrasive or scuff pad. For paint coated areas using clear sealer application perform cleaning operation only.
2. Clean the surface with an appropriate VOC compliant product for removal of surface contaminants.
3. (PN08300 ONLY) Cut nozzle tip to provide desired size bead. Puncture foil seal in base of spout. Knock out end seal at the bottom of the tube.
4. (PN08300 ONLY) Place in 3M™ Professional Caulking Gun, PN 08993 and engage ratchet mechanism.
5. Apply desired bead width and tool to final appearance, if necessary. When sealing is complete, disengage ratchet to stop flow.
6. Wait to dry before applying paint over the sealer. Thicker beads of seam sealer will take longer to cure before painting.

Applications

A variety of external or non-passenger compartment sealing applications on automobiles. Also used in many non-automotive applications (always test to determine suitability).

NOTE: 3M does not recommend using this seam sealer in interior passenger compartment or trunk compartment applications. A residual solvent odor lasting up to a month has been reported by customers using the product. For seam sealers without this issue, choose 3M™ Urethane Seam Sealers (PN 08360/08361/08364) or 3M™ MSP Seam Sealers (PN 08369/08370).

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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 24 months. Use in a well-ventilated area.

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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