



Public

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3M™ All-Around Autobody Sealant White

Data Sheet

3M Part No.(s)	3M Part Descriptor(s)
08500	3M™ All-Around Autobody Sealant White

3M Fax on Demand Identification Number: 08500

Description

3M™ All-Around Autobody Sealant White is a medium-bodied, water-based seam sealer designed to seal most interior and exterior autobody joints and seams. The product applies easily and adheres well to primed metal and painted surfaces. When dry, it resists water, vibration, heat and cold.

Features, Advantages, Benefits

Features	Controlled, quick drying Water based composition Paintable within 30 minutes after application
Advantages	Dries quickly but not too quickly, especially in hot, arid environments No typical solvent issues such as VOCs, odor, and skin contact to deal with Can be used for external seams and painted relatively quickly
Benefits	Good choice for southwestern US, where solvents flash off too quickly No respiratory protection needed, and no solvent waste disposal issues Good all purpose sealer for many visible applications

Typical Physical Properties

Container	1/10 Gallon Cartridge
Base	Synthetic Elastomer-Water based
Density lbs/Gallon (Appx.)	12.5
Color	White
Flash Point - °F	>200°F
Viscosity (CPS) Brookfield Viscometer	
RVF #4 @ 20 RPM	
Solids Content (Appx.)	75%
Consistency	Non-Sag Paste
Service Temperature - °F	-20 to 180 deg F
Solvent	none (except water)
Specific Gravity	1.500

Product Uses

Sealing interior and exterior auto body joints and seams, especially where it is desirable to eliminate solvents (other than water). This sealer is especially good for customers in hot, dry environments, such

as the southwestern US, because it will not dry as quickly as a solvent based seam sealer.

Performance Properties

- | | |
|-----------------|--|
| 1. Hardness | Shore A=40 |
| 2. Dry Time | 1/8" film @ 75°F/50% RH=60 minutes |
| 3. Flexibility | 1/4" bead @ 28°F |
| 4. Adhesion to: | |
| Steel | Good |
| Aluminum | Good |
| Glass | Good |
| Primed Metal | Excellent |
| 5. Shrinkage | Product exhibits a shrinkage of approximately 34% when completely dry. |

Handling and Application Information

Directions for Use

1. Always apply over automotive paint or primer when applying to metal. Applying over bare metal will not provide enough corrosion protection. Acid etching primer is not recommended; if used, be sure to allow to fully cure before applying seam sealer. Residual acid can weaken the bond.
2. If necessary, clean and dry surface with 3M™ General Purpose Adhesive Cleaner, PN 08984. Do not use an adhesive cleaner until the primer is fully cured.
3. Cut nozzle tip to provide 1/4" diameter bead. Puncture foil seal in base of spout. Knock out end seal at the bottom of the tube.
4. Place in 3M™ Professional Caulking Gun, PN 08993 and engage ratcheting 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 (if desired). Thicker beads of seam sealer will take longer to cure before painting. The stated dry time before painting is based on a 1/4" bead at 70 deg F.

* If 'Directions for Use' reference P.N.'s 08984, 08986, or 08987, please read. Federal and local air quality regulations may regulate or prohibit the use of surface preparation and cleanup solvents based on VOC content. Consult your local and Federal air quality regulations for information. When using solvents, use in a well ventilated area. Extinguish all sources of ignition in the work area and observe precautionary measures for handling these materials. Refer to product label and MSDS for P.N. 8984, 8986, or 8987 for detailed precautionary information.

Applications

3M All-Around Autobody Sealant is used for sealing most interior and exterior autobody joints and seams. Applies easily and can be smoothed to a featheredge. Can be painted in 30 minutes (1/8" bead at room temperature, 50% humidity). Water may be used for clean-up before product dries. 3M™ All-Around Autobody Sealant will not harm cured paint.

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.

Precautionary Information

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

Country

This document is public. It may be distributed.

Warranty and Limited Remedy

This product will be free from defects in material and workmanship at the time of shipment. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If this product is defective, your exclusive remedy and 3M's and seller's sole obligation shall be, at 3M's option, to replace the product or refund the purchase price.

LIMITATION OF LIABILITY: 3M and seller will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

For Additional Health and Safety Information

3M Automotive Aftermarket Division
3M Center, Building 223-6N-01
Saint Paul, MN 55144-1000
1-877-666-2277 (1-877-MMM-CARS)

Material Safety Data Sheets and Technical Data Sheets are also available by calling Fax on Demand 1-800-305-0419.
Help Line 1-800-621-5455 (US) 1-650-596-4407 (International).

3M Fax on Demand/MSDS Identification Number 08500

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