



Public

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3M™ Automix™ EZ Sand Rigid Parts Repair Kit

Data Sheet

3M Part No.(s)	3M Part Descriptor(s)
05883	3M™ Automix™ EZ Sand Rigid Parts Repair Kit

3M Fax on Demand Identification Number : 05883

Description

Two-part epoxy used to repair SMC, FRP (traditional fiberglass), and other rigid plastic parts

Features, Advantages, Benefits

Features	Epoxy Chemistry Easy to mix, 1:1 ratio
Advantages	Easy sanding, tough repair No applicator gun required
Benefits	Saves time High quality, strong repair with low cost of use

Typical Physical Properties

Container	Two 5 oz. tubes per kit
Base	Epoxy
Density lbs/Gallon (Appx.)	8.3/8.3
Color	Blue/White
Flash Point - °F	Not Applicable
Viscosity (CPS) Brookfield Viscometer	
Solids Content (Appx.)	100%
Consistency	Paste
Solvent	None
Service Temperature - °F	-20 to 180 deg F
Propellant	N/A

Product Uses

For repairing rigid composite automotive materials, such as fiberglass, SMC and carbon fiber. Note: if using to repair Metton plastic, be sure to use 3M 05907 Automix Polyolefin Adhesion Promoter before applying adhesive, to insure a good bond.

If reinforcing a puncture, tear, or hole, use this product on the front and back side, along with reinforcing fiberglass cloth or mat on the back side.

Performance Properties

Work time:	10 min
Sand time:	30 min

Cure time: 4 hours

Handling and Application Information

Directions for Use

1. Clean the areas to be bonded with soap and water. Next, use 3M™ General Purpose Adhesive Cleaner or 3M™ Super Fast Adhesive Cleaner to remove any grease, wax and/or tar. Read manufacturer's hazard communication and follow manufacturer's recommended guidelines for safe handling of the above chemical products.
2. Sand the cleaned areas with a grade 80 abrasive, either by hand or machine.
3. Be sure to dish down into the repair area; leaving sharp edges can cause the repair to become visible after time.
4. Wipe the areas with a clean, dry rag and blow off with compressed air.
5. Apply equal amounts of each tube to a clean mixing board, mix thoroughly with a clean plastic spreader.
6. Apply the mixture to the surface to be repaired and build up slightly above the level of the final repair. Build in thin layers and work the adhesive into the bonding surface.
7. Allow 30 minutes for the adhesive to cure at 72 deg F.
8. Sand the adhesive with a grade 80 abrasive, then a grade 180 to bring it level with the repair surface.
9. Finish sanding with grade 320 abrasive and proceed to painting per paint manufacturer instructions.

* 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

For repairing rigid composite automotive materials, such as fiberglass, SMC and carbon fiber. Note: if using to repair Metton plastic, be sure to use 3M 05907 Automix Polyolefin Adhesion Promoter before applying adhesive, to insure a good bond.

If reinforcing a puncture, tear, or hole, use this product on the front and back side, along with reinforcing fiberglass cloth or mat on the back side.

Storage and Handling

HANDLING

Avoid breathing of dust created by cutting, sanding, grinding or machining. 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. Avoid eye contact with dust or airborne particles.

STORAGE

Store in a dry place at room temperature conditions for optimal shelf life.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product. Always wear gloves, eye protection, appropriate respiratory protection, and work in a well-ventilated area. Refer to MSDS for specific safety information.

Country

US

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 05883

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This is the last page