



Automotive Aftermarket Division

3M™ 05887 Flexible Plastic Filler

1) Part Numbers

05887 Flexible Plastic Filler

2) Description and end uses

3M™ EZ Sand Flexible Parts Repair is a flexible two part epoxy material designed for use in the repair of flexible and semi-rigid plastic parts. This formula provides flexibility with excellent sanding qualities and is compatible with many common plastics, for best results use in conjunction with 3M™ Polyolefin Adhesion Promoter (PN 05907).

Primarily designed for cosmetic repair such as scratches, gouges, and deformations of automotive exterior flexible and semi-rigid plastic parts, including bumper covers and other decorative parts. This product may also be used for commercial and industrial applications on similar types of plastic. Use with the following applicators: PN 08571 (manual), PN 08117 (manual), and PN 09930 (pneumatic). 3M™ Static Mixing Nozzle: PN 08193 (6/bag), PN 08194 (50/box).

3) Physical Properties

Container	200ml Dual-syringe cartridge system
Base	Epoxy
Density Kg/Litres (Approx.)	1.06 / 1.32
Colour	White / Grey
Solids Content (Approx.)	100%
Consistency	Paste
Service Temperature - °C	-20°C - 80°C

The following times have been determined with ambient air temperature and substrate temperature @ 21°C and are considered typical values:

WORK TIME: 5 minutes

MIX NOZZLE DWELL TIME: 7.5 minutes

SAND TIME: 15 minutes

CURE TIME: 24 hours

PAINT TIME: 30 minutes



Technical Data Sheet

Effective: 29/05/2019 Supersedes: 01/09/2011

4) Directions for Use

SURFACE PREPARATION:

1. Wash surface with soap and water to remove water soluble contaminants. Follow the soap and water wash with an appropriate 3M™ VOC compliant product for removal of surface contaminants. Reference the 3M™ Automotive Aftermarket Catalogue for a suitable VOC compliant product.
2. Sand the surface with a grade P180 abrasive.
3. Remove dust from surface using clean, un-oiled compressed air and a clean, dry rag.
4. Apply 3M™ Polyolefin Adhesion Promoter (PN 05907) following label directions.

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. NOTE: If you choose not to use a mixing nozzle, extrude the amount of filler required, and mix by hand to a uniform colour.
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.

GENERAL REPAIR PROCESS:

1. Apply a thin coat of mixed material to the repair area using a clean plastic spreader, making certain to completely wet out the surface. Immediately add additional mixed material, building up the repair higher than the surrounding, undamaged area.
2. Allow material to cure 15 minutes.
3. Sand with a grade P180 abrasive followed by grade P240 and/or P320.
4. Remove dust from surface using clean, un-oiled compressed air and a clean, dry rag. NOTE: DO NOT SOLVENT WIPE.
5. Apply 3M™ Polyolefin Adhesion Promoter (PN 05907) following label directions.

APPLICATION WARNINGS: Once the initial cleaning steps are completed, do not solvent wipe the repair area again.

CLEAN-UP: Unmixed material may be cleaned from most surfaces with an appropriate 3M™ VOC compliant product for removal of surface contaminants. Reference the 3M™ Automotive Aftermarket catalogue for a suitable VOC compliant product.

5) Storage

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 24 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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6) Safety

Read full instructions and material safety data sheet before use.

IMPORTANT: This product contains hazardous materials and therefore appropriate personal protective equipment should always be used. Please refer to the label and consult the material safety data sheet for full handling instructions and personal protection information. These are available via your stockist. The supplier disclaims any liability where the user does not wear the recommended personal protective equipment.

Do not breathe fumes and do not allow skin contact.

3M™ 05887 Flexible Plastic Filler is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.

7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable but the accuracy or completeness thereof is not guaranteed. Please ensure before using our product that it is suitable for your intended use. All questions of reliability relating to this product are governed by the Terms of Sale subject, where applicable, to the prevailing law.

For Additional Health and Safety Information

3M South Africa & Sub-Saharan Africa, 146A Kelvin Drive, Woodmead, Sandton, South Africa, Tel: (0861) 225536
3M (East) AG Representation Office Tirane, Rruga Sami Frasheri, Pallati i Ri Perxhola Kati 2 Ap2, 1000 Albania
3M Arabia, LLC, Building 24-25 3M Saudi Arabia Zone C, Business Gate, Airport Road, Riyadh, Saudi Arabia
3M Bulgaria, Mladost 4, Business Park, bl.4, 2nd floor, Sofia 1766, Bulgaria
3M Česko, spol. s r.o., V Parku 2343/24, 148 00 - Praha 4, Czech Republic
3M (East) AG, Branch office Croatia, Avenija Većeslava Holjevca 40, 10 000 Zagreb, Croatia, Tel: +385 1 2499750, www.3m.com.hr
3M Egypt, Finance Center , New Cairo , Plot 140 , Banking Sector , 5th settlement , Cairo , Egypt
3M Hellas MEPE, Automotive Aftermarket Division, 20 Kifisias Avenue, 151 25 Marousi, Greece, Phone: +30 210 68 85 300, innovation.gr@mmm.com, www.3M.gr
3M Hungária Kft, Neumann János u. 1/E, 1117 Budapest, Hungary
3M Israel, 91 Medinat Hayehudim St., Herzliya, Israel
3M Kenya Ltd, Victoria Towers, 3rd Floor, Kilimanjaro Av, Upperhill, Kenya



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3M Gulf Limited, Ein El Mreisseh, Saint Charles City Center, 4th. Floor, P.O.Box: 11-5025, Riad el Solh, Beirut 1107 2180 Lebanon
3M Minnesota Mining & Manufacturing Nigeria Limited, No 2 Sheraton Opebi Link Road, Ikeja, Lagos Nigeria
3M Pakistan, Islamic Chamber of Commerce Building, ST-2/A, Block 9, KDA Scheme 5, Clifton, Karachi, Pakistan
3M Poland, Al. Katowicka 117, Kajetany, 05-830 Nadarzyn, Poland, Telefon: +48 22 739 60 00, www.3m.pl/kontakt
3M Gulf (Representation Office), Suhaim Bin Hamad St., Al Mana Towers Tower B, 2nd Floor, Office No.4, Doha Qatar, P.O.Box 14685
3M Romania, 12 Meneuului St., Bucharest Business Park, Building D, District 1 013713 Bucharest, Romania
3M (East) AG, Representation Office Serbia, Airport City, Omladinskih brigada 90B, 11070 Belgrade, Serbia, Tel: +381 11 2209 400, www.3m.co.rs/3M/sr_RS/3m-south-east-europe/
3M Slovensko s.r.o., Polus Tower 2, Vajnorská 100/B, 83104 Bratislava
3M (East) AG, Branch office Slovenia, Cesta v Gorice 8, 1000, Ljubljana, Slovenia, Tel: +386 1 2003 630, www.3m.com/3M/sl_SI/3m-south-east-europe/
3M Sanayi ve Ticaret As, Barbaros Mah., Mor Sümbül Sok., No:7/3F, 27-51, Nidakule Ataşehir Güney, 34746 Ataşehir, İstanbul, Turkey
3M Gulf Limited, Dubai Internet City, Building No. 11, 3rd Floor, U.A.E

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