



## Automotive Aftermarket Division

### 3M™ 05887 Flexible Plastic Filler

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#### 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: 18/08/2020 Supersedes: 29/05/2019

## 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 as at the date of hereof, but the accuracy or completeness thereof is not guaranteed. Please ensure before using the product that it is suitable for your intended use. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, other than for fraudulent misrepresentation, 3M expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information



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For Additional Health and Safety Information

<p>3M United Kingdom plc Automotive Aftermarket 3M Centre, Cain Road, Bracknell, RG12 8HT Tel: +44 (0)161 237 6391 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3Mbodyshop.co.uk">www.3Mbodyshop.co.uk</a></p>	<p>3M Ireland Limited Automotive Aftermarket The Iveagh Building Carrickmines Park Carrickmines , Dublin 18 Tel: +353 12160301 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3Mbodyshop.co.uk">www.3Mbodyshop.co.uk</a></p>	<p>3M Denmark a/s Automotive Aftermarket Hannemanns Allé 53 2300 København S  Tel: +45 43480100 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3MAuto.dk">www.3MAuto.dk</a></p>
<p>3M Finland, Suomen 3M Oy Automotive Aftermarket Keilaranta 6 02150 Espoo Tel: 09 5252 1 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3M.fi/autotuotteet">www.3M.fi/autotuotteet</a></p>	<p>3M Svenska AB Automotive Aftermarket Herrjärva torg 4 170 67 Solna Tel: 08-922100 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3M.se/bileftermarkad">www.3M.se/bileftermarkad</a></p>	<p>3M Norge AS Automotive Aftermarket Kanalveien 2 2004 Lillestrøm Tel: 06384 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3m.no/auto">www.3m.no/auto</a></p>
<p>3M Latvija K.Ulmana 5 Riga, LV-1004 Tel: +371 67066120 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3m.lv">www.3m.lv</a></p>	<p>3M Eesti OU Pärnu mnt. 158 11317 Tallinn Tel: +372 6 115 902 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3m.ee">www.3m.ee</a></p>	<p>3M Lietuva A.Goštauto str. 40 A LT-01112 Vilnius Tel: +370 5 2160780 <a href="mailto:aadukenquiries@mmm.com">aadukenquiries@mmm.com</a> <a href="http://www.3m.lt">www.3m.lt</a></p>

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