

## 3M™ Premium Polyester Finishing Putty

### Data Sheet

**3M Part No.(s)**  
05819

**3M Part Descriptor(s)**  
3M™ Premium Polyester Finishing Putty

#### Detailed Product Description

**3M™ Premium Polyester Finishing Putty** is a easy-sanding, two-component putty designed for use as a "skin coat" over body fillers to fill pinholes, sand scratches, low areas or other imperfections. may also be used for similar applications and small dents, such as hail damage repairs, fiberglass and thoroughly cured factory- applied paint surfaces. 3M Premium Polyester Finishing Putty helps prevent staining problems when used as a finishing coat over body filler.

#### Features, Advantages, Benefits

Features	Tack-Free Vacuum processed Stain Resistant
Advantages	Resistant abrasive loading Minimize chance of pinholes Minimize chance to stain through topcoats
Benefits	Reduced material cost Increased productivity Increased customer satisfaction

#### Typical Physical Properties

	Part A Filler	Part B Cream Hardener
Container	Metal can	1oz plastic tube
Base	Polyester resin with styrene monomer	Benzoyl Peroxide
Density	1.6 - 1.72 g/ml	10.0 lb/gal
Color	Light yellow to beige	Red
Flash Point		
Viscosity @ 77°F(25°C) Brookfield Viscometer RVT model TD spindle @ 2.5 rpm @ 77°F	446,000 - 660,000 cp	
Shelf Life	16 months	16 months

---

**Product Uses**

Used to fill in minor imperfections in body fillers, metal and fiberglass. Minimizes staining that can occur with base coat/clear coat systems over body filler.

---

**Performance Properties**

**Sand Time:** 15 to 20 Minutes when mixed with 2% hardener by weight @ 77°F(25°C)

**Application Temperature:** Min 45°F (7°C) Max 180° (82°C)

**Service Temperature:** Min.-20°F(-29°C) Max 180°F(82°C)

**Shrinkage:** Less than

**Minimum hardener:** 1.5%

**Maximum hardener:** 2.75%

<b>Lap Shear, Steel to Steel:</b>	1570 +- 100 psi	ASTM D1002
<b>Lap Shear, Aluminium to Aluminium:</b>	890 +- 100 psi	ASTM D1002
<b>Tensile Strength:</b>	2870 +- 100psi	ASTM D638-82
<b>Shore D hardness:</b>	10 Min. 35 +-5 20 Min. 50 +-5 30 Min. 57 +-5 60 Min. 62 +-5 24 hour 79 +-5	ASTM D2240

---

**Directions for Use****SURFACE PREPARATION:**

Clean the repair area using soap and water followed by a wax & grease remover/surface cleaner. Sand the surface as needed with grade P150 or P180 3M™ abrasive. Blow off with clean dry compressed air and re-clean the surface using a clean paper or cloth towel and a wax & grease remover/surface cleaner.

**APPLICATION:**

1. Apply the required amount of Putty to a clean mixing surface. (Do not use discarded cardboard as a mixing surface as contamination may occur.) Make sure to knead the hardener tube before using to insure a correct mix. The correct hardener to filler ratio = *50 to 1 by weight or a golf ball size amount of Putty to a 1 1/4 inch of cream hardener.*
2. Mix the Putty and cream hardener thoroughly, to a uniform color. Gel time/setting time is approximately 3-5 minutes @ 75 F using 2% hardener as prescribed. Spread the Putty on the mixing board, being sure to break any air bubbles that were introduced during mixing.
3. Apply a thin layer using firm pressure to ensure maximum adhesion being sure to "wet out" the surface completely. Apply additional Putty in layers, building up the damaged area higher than the surrounding surface. Maximum Putty thickness should not exceed 1/8 inch. Allow curing time of 15 to 20 minutes.

4. Sand the Putty to the proper contour with 3M™ abrasives, using the following recommended grade sequence: P150, P180, P320. Note: if more Putty is needed blow off with clean dry compressed air and follow steps 2 through 5.
5. Wait approximately 45 minutes before applying primer and paint, always follow your paint company's recommended procedures.

---

## Applications

---

### Storage and Handling

#### HANDLING

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. Keep container closed when not in use. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial or professional use only. Avoid eye contact with dust or airborne particles.

#### STORAGE

Store in a dry area at 65-80°F(18-27°C) for optimal shelf life.

Shelf life: 16 months from date of manufacture

---

### Precautionary Information

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

#### Safety Considerations

Material Safety Data Sheets (MSDS) are available from 3M™ at [www.3M.com/MSDS](http://www.3M.com/MSDS) or upon request through your nearest Sales office. MSDS sheets are provided to help customers satisfy their own handling, safety and disposal needs, and those required by local applicable health and safety regulations. MSDS sheets are updated regularly. Therefore, please request and review the most current MSDS before handling or using any product.

#### Customer Notice

3M encourages its customers to review their applications of 3M products from the standpoint of human health and environmental quality. To help ensure that 3M products are not used in ways for which they were not intended or tested, 3M personnel are willing to assist in dealing with ecological and product safety considerations. If assistance is needed, please contact your 3M representative

---

### Warranty and Limited Remedy

**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.

**Warranty, Limited Remedy, and Disclaimer:** Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR

PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

© 3M 2010

3M is a trademark of 3M

---

**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)

**This is the last page**

<< End of Document >>