



**Public**

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## 3M™ Piranha™ Advanced Finishing Putty

### Data Sheet

**3M Part No.(s)**                      **3M Part Descriptor(s)**  
05821                                      3M™ Piranha™ Advanced Finishing Putty

**3M Fax on Demand Identification Number :** 05821

#### Description

Designed to be used as a "skin coat" to fill minor imperfections in properly prepared body filler, steel, aluminium, SMC, fiberglass and OEM paint.

#### Features, Advantages, Benefits

|                   |  |
|-------------------|--|
| <b>Features</b>   | Stain resistant<br>Vacuum processed<br>Flowable consistency<br>Convenient squeeze tube   |
| <b>Advantages</b> | Minimizes staining of BC/CC paint systems<br>Reduces pinholes<br>Smooth application on large areas<br>Less waste, easy to handle |
| <b>Benefits</b>   | Reduces re-works saves time<br>Reduces re-works saves time<br>Reduces sanding time<br>Saves time and material                    |

#### Typical Physical Properties

|  |  |                  |
|--|--|------------------|
| <b>Container</b>                             | Treated plastic tube                     | Plastic tube     |
| <b>Base</b>                                  | Polyester resin with styrene monomer     | Benzoyl peroxide |
| <b>Weight Per Gallon</b>                     | 7.8Lbs./Gallon                           | 10Lbs./Gallon    |
| <b>Color</b>                                 | tan/biege                                | Blue             |
| <b>Flash Point - °F</b>                      | ASTM D93 closed cup method<br>89 deg. F  | N/A              |
| <b>Viscosity (CPS) Brookfield Viscometer</b> | 17,600 - 25,600 @ 77 dge. F @<br>2.5 RPM | N/A              |
| <b>Consistency</b>                           | viscous liquid                           | viscous paste    |
| <b>Service Temperature - °F</b>              | Min. -20F, Max. 180F                     | N/A              |

#### Product Uses

Filling of pinholes, minor dents, gouges, scratches, and stone chips in properly prepared body filler,

steel, aluminium, SMC, fiberglass and OEM paint.

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### Performance Properties

|  |   |
|--|---|
| <b>Sanding Time @ 77F:</b>               | 15 minutes  |
| <b>Shore D Hardness:</b>                 | 10 Min. 35 +-4<br>20 Min. 45 +-5<br>30 Min. 48 +-5<br>60 Min. 50 +-5,<br>24 hour 55 +-5 |
| <b>Tensile Strength:</b>                 | ASTM D638-82 2050 +- 100 PSI  |
| <b>Lap Shear Steel to Steel:</b>         | ASTM D3163-84 2050 +-100PSI   |
| <b>Lap Shear Aluminium to Aluminium:</b> | ASTM D3163 740 +-100 PSI  |
| <b>Shrinkage:</b>                        | Less than 1.00%   |
| <b>Minimum hardener:</b>                 | 1.5%  |
| <b>Maximum hardener:</b>                 | 2.75%   |

## Handling and Application Information

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### Directions for Use

1. Sand properly cleaned surfaces with grade 80 - 180 abrasive, (Putty will adhere to sand scratches as fine as 320) Blow off with clean compressed air to remove all sanding dust.
2. Mix applicable amount of putty with 2% hardener by weight (or one stripe across a 4" puddle of putty). Mix to a uniform color on a clean non porous surface spreading thin and pressing air bubbles out as you mix.
3. Apply a "tight" coat pressing putty into defect areas and recoat if needed building slightly higher than the surrounding area.
4. Allow 15 minutes cure time and sand with 150-320 grit abrasive to desired shape. For best results the finish sanded material should not exceed 1/16 inch.

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### Applications

Filling of pinholes, minor dents, gouges, scratches, and stone chips in properly prepared body filler, steel, aluminium, SMC, fiberglass and OEM paint.

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### 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 72 deg F for optimal shelf life.

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### Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product 05821

### Country

US

**This document is public. It may be distributed.**

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### 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.**

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**For Additional Health and Safety Information**

3M Automotive Aftermarket Division

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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** 05821

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