### 3M™ Platinum™ Lightweight Body Filler

<table>
<thead>
<tr>
<th>3M Part No.(s)</th>
<th>3M Part Descriptor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01171</td>
<td>3M™ Platinum™ Lightweight Body Filler - One gallon can - 102 fl oz, 3.0 L, 0.80 US gal</td>
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<tr>
<td>01231</td>
<td>3M™ Platinum™ Lightweight Body Filler - Three gallon mechanical dispenser pail 2.2 gallons, 8.3L, 282 fl oz.</td>
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<tr>
<td>01271</td>
<td>3M™ Platinum™ Lightweight Body Filler - Three gallon air dispenser cartridge - 2.2 gallons, 8.3L, 282 fl oz.</td>
</tr>
<tr>
<td>31138</td>
<td>3M™ Platinum™ Lightweight Body Filler - Five gallon air dispenser pail - 3.75 gallons, 14.2L</td>
</tr>
</tbody>
</table>

### Product Description

3M™ Platinum™ is a premium, professional lightweight body filler, that offers excellent surface adhesion to properly prepared steel, galvanized steel, aluminum, E-coat, sheet molded compound (SMC) and fiberglass reinforced polyester (FRP), concrete and wood substrates. 3M™ Platinum™ is formulated with Stain-free/Tack free resin and is compatible with most base coat/clear coat and waterborne paint systems.

### Features

- Adhesion Promoted Formulation
- Tack Free / Stain Free Resin
- Vacuum Processed to minimize pinholes
- Creamy formula provides easy mixing & spreading

### Typical Physical Properties

<table>
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<tr>
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<th>Part A - Filler</th>
<th>Part B - Cream Hardener</th>
</tr>
</thead>
</table>
| Container         | PN 01171 - One gallon metal can  
PN 01231 - Three gallon mechanical dispenser metal pail  
PN 01271 - Three gallon air dispenser fiber cartridge  
PN 31138 - Five gallon air dispenser metal pail          | 2.75 oz. plastic tube            |
| Base              | Polyester resin with styrene monomer                                            | Benzoyl Peroxide                |
| Density           | 8.00 lb/gal                                                                     | 10.0 lb/gal                    |
| Color             | Off White / Cream                                                               | Blue                            |
| Flash Point       | 88°F / 31°C                                                                     | N/A                             |
| Viscosity @ 77°F (25°C) - Brookfield Viscometer | 120,000 - 204,000 cps             | 70,000 - 150,000 cps           |

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.
Product Uses  For professional use only. Not intended for retail sale.

Two component polyester compound used to fill dents, dings, gouges and other cosmetic imperfections on bare steel, galvanized steel, aluminum, sheet molded compound (SMC) and fiberglass reinforced polyester (FRP). May also be used on many industrial and architectural surfaces needing minor repairs.

Typical Performance Properties  The following times have been determined with ambient air temperature and substrate temperature @ 77°F (25°C) and are considered typical values.

SHAPE SAND TIME:
8 to 12 minutes when mixed with 2% hardener by weight @ 77°F (25°C)

FINISH SAND TIME:
20 minutes when mixed with 2% hardener by weight @ 77°F (25°C)

RECOMMENDED APPLICATION TEMPERATURE:
Above 45°F (7°C)

SERVICE TEMPERATURE:
Min. -20°F (-29°C)  Max. 180°F (82°C)

MINIMUM HARDENER:
1.5%

MAXIMUM HARDENER:
2.75%

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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lap Shear, Steel to Steel:</td>
<td>1,160 psi</td>
<td>ASTM D1002</td>
</tr>
<tr>
<td>Lap Shear, Aluminum to Aluminum:</td>
<td>1,290 psi</td>
<td>ASTM D1002</td>
</tr>
<tr>
<td>Tensile Strength:</td>
<td>1,570 psi</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Shore D hardness @ 24 hrs:</td>
<td>64</td>
<td>ASTM D2240</td>
</tr>
<tr>
<td>Flexural Strength:</td>
<td>2,440 psi</td>
<td>ASTM D790 Procedure A</td>
</tr>
<tr>
<td>Shrinkage:</td>
<td>0.15%</td>
<td>LTM 855.0084</td>
</tr>
</tbody>
</table>
### Directions for Use

1. Wash surface with soap and water to remove water soluble contaminants. Follow the soap and water wash with an appropriate VOC compliant product for removal of surface contaminants. Sand the surface as needed with grade P40 to P80 3M™ abrasive. **Note:** If grinding is required use a grade 50 3M™ grinding disc, blow off the sanding dust with clean dry air. When repairing galvanized steel, e-coat, primed/painted surfaces or aluminum, sand with grade P80 3M™ abrasive to remove the paint/primer. Blow off with clean dry compressed air and re-clean the surface using a VOC compliant product for the removal of surface contaminants.

2. Apply the required amount of body filler to a clean mixing surface. (Do not use discarded cardboard as a mixing surface as contamination may occur.) The correct hardener to filler ratio = 3 inch diameter circle approximately 1/2 inch thick of filler to a 3 inch strip of cream hardener.

3. Mix the body filler and cream hardener thoroughly, to a uniform color. Gel time/setting time is approximately 3-5 minutes @ 77°F (24°C) using 2% hardener as prescribed. Spread the filler on the mixing board, being sure to break any air bubbles that were introduced during mixing.

4. Apply a thin layer using firm pressure to ensure maximum adhesion being sure to “wet out” the surface completely. Apply additional filler in layers, building up the damaged area higher than the surrounding surface. Maximum filler thickness should not exceed 1/4 inch. Allow curing time of 20 minutes.

5. Sand the filler to the proper contour with 3M™ abrasives, using the following recommended grade sequence: P40, P80, P180. **Note:** If more filler is needed blow off with clean dry compressed air and follow steps 2 through 6.

6. Wait approximately 45 minutes before applying primer and paint, always follow your paint company’s recommended procedures.

### Applications

Repair of cosmetic surface imperfections in properly prepared auto body, industrial, and architectural substrates.

### 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**

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 16 months from the date of manufacture. Store in a dry area at 65-80°F (18-27°C) for optimal shelf life.
Precautionary Information
Before using this product, please reference Product Label and/or Safety Data Sheet for Health and Safety Information. Note: Laws controlling the acceptable amounts of Volatile Organic Compounds (VOC’s) vary by state, and in some cases by locality. For surface preparation and clean-up activities, consult federal, state and local regulations regarding use of products containing VOCs in your area.

Safety Considerations
Material Safety Data Sheets (MSDS) are available from 3M™ at 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.

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