



Platinum[®] Plus Gold Light Weight Body Filler for DMS

05863

Technical Data Sheet

February, 2011

3M Part No.(s)	3M Part Descriptor(s)
05863	3M [™] Platinum [®] Plus Gold Light Weight Body Filler for DMS

Product Description 3M[™] Platinum[®] Plus Gold Light Weight Body Filler is a premium gold colored body filler, packaged in a 300ml Dual Cartridge System. 3M[™] Platinum[®] Plus Gold Light Weight Body Filler 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[®] Plus Gold Light Weight Body Filler is formulated with Stain-free/Tack-free resin for use under Basecoat/Clearcoat and Waterborne paint systems. 3M[™] Platinum[®] Plus Gold Light Weight Body Filler for DMS is designed to be used with the 3M[™] Dynamic Mixing applicator (PN 05846).

- Features**
- 300ml Dual Cartridge System
 - 50:1 mix ratio
 - Adhesion Promoted formulation
 - Tack-Free / Stain-Free resin
 - Automatic hand held dispensing system

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

	Part A - Filler	Part B - Creme Hardener
Container	Two Part Cartridge - (300ml)	Two Part Cartridge - (6ml)
Base	Polyester Resin with Styrene Monomer	Benzoyl Peroxide
Density lbs/Gallon (Appx.)	8.05 lbs/gallon	10 lbs/gallon
Color	Gold	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
Service Temperature	Min. -20°F (-29°C) Max. 180°F (82°C)	N/A
Application Temperature	Min. 60°F (15°C) Max. 110°F (43°C)	N/A

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Product Uses Two component filler used to repair 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.

**Use with the following applicator: PN 05846 (pneumatic).
3M™ Mix Nozzle PN 05847 (50/box).**

Typical Performance Properties The following times have been determined with ambient air temperature and substrate temperature @ 72°F (22°C) and are considered typical values.

WORK TIME:
3 to 4 Minutes

SHAPE SAND TIME:
8 to 10 Minutes

FINISH SAND TME:
17 to 20 Minutes

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Lap Shear, Steel to Steel:	2,320 psi	ASTM D1002
Lap Shear, Aluminum to Aluminum:	1,290 psi	ASTM D1002
Tensile Strength:	1,570 psi	ASTM D638
Shore D Hardness @ 24 hrs:	64	ASTM D2240
Flexural Strength:	2,440 psi	ASTM D790 Procedure A
Shrinkage:	0.15%	LTM 855.0084

Directions for Use **SURFACE PREPARATION:**
Use appropriate 3M VOC compliant product(s) for adhesive removal, degreasing, cleaning or removal of surface contaminants. Reference the 3M Automotive Aftermarket Catalog for a suitable VOC compliant product. Sand the damaged area and immediate surrounding area with grade 40 or grade 80 grit DA abrasive to remove damaged coatings. Grind low areas with grade 50 Roloc™ disc and blow off with clean, dry compressed air. Apply 3M™ Dent Repair Compound following general repair procedures below.

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Directions for Use (continued)

PRODUCT PREPARATION:

INSTALLING THE CARTRIDGE

- Position large diameter cylinder in the up (12 o'clock) position.
- Place the mounting flange end of the cartridge against the mounting plate of the dispenser, making sure to align and insert the cartridge drive rod with the dispenser drive socket, located in the center of the dispenser mounting plate.
- Press the cartridge back against the mounting plate (this should occur without resistance if drive rod is aligned properly) and twist until the cartridge locks into place.

INSTALLING THE NOZZLE

- Remove sealing cap from cartridge.
- Align the 3M™ Dynamic Mixing Nozzle with the cartridge outlets, making sure to position the large outlet (cartridge) with the large inlet (nozzle) and the small outlet (cartridge) with the small inlet (nozzle).
- Press in until locking retainer engages mixing nozzle.

EQUALIZING THE CARTRIDGE

- Attach an air line to the dispenser inlet.
- Using proper air pressure settings (see Cautions and Safety Items above) and a disposable collection point, depress the trigger until both sides of the dual-component material are present and the product has achieved a consistent green/gold color. This serves to "equalize" both sides of the cartridge.

GENERAL REPAIR PROCESS:

DISPENSING TECHNIQUES

- Material may be dispensed directly onto the damaged area, or onto a non-porous surface, such as a spreader or a mixing board.
- Immersing the nozzle in the puddle of material eliminates any air entrapment during dispensing.
- Proceed with application method (ie spreading) as desired.
- You may continue to dispense material until the normal material curing process clogs the mixing nozzle – typically after 2-3 minutes without depressing the trigger. If more repair material is desired after curing has occurred, remove and install a new nozzle.
- Maximum finished thickness should not exceed 1/4 inch.

CAUTION: Be sure to replace nozzles containing fully or semi cured material to prevent damage to cartridge or nozzle or personal injury. Dispose of uncured material in an approved receptacle.

Applications

See "Product Uses" above.

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Storage and Handling

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 12 months from the date of manufacture. Store unopened cartridges in an approved area, and prevent exposure to flame, sparks, or high temperatures. Store previously opened cartridges with the used nozzle in place in an approved area and prevent exposure to flame, sparks, or high temperatures. Use caution not to damage outlets or drive shaft during storage or installation. Optimum storage temperatures 65-80°F (18-27°C), elevated storage temperatures reduce product shelf life.

After use, leave mix nozzle in place to seal the cartridge.

Precautionary Information

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

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.

Details

- Adhesion promoted for excellent adhesion to many surfaces
- Advanced formula recommended for use with galvanized steel and aluminum
- Super creamy formula spreads easily for quick applications
- Vacuum processed and pinhole free for ultimate in purity and quality
- Fast curing allows sanding in a little as 15 to 20 minutes
- For use with the 3M™ Dynamic Mixing System (DMS)

3M™ Platinum™ Plus for DMS is a body repair material for use as part of the 3M™ Dynamic Mixing System. When used with the 3M™ Dynamic Mixing System, this 2-component filler significantly reduces the occurrence of pinholes while also mixing to a perfect ratio.

An Adhesion Promoted Filler for the 3M™ Dynamic Mixing System

3M™ Platinum™ Plus Filler provides excellent adhesion, including to challenging substrates such as galvanized steel and aluminum. This auto body filler has been formulated with an adhesion promoter that works with E-coat, fiberglass, SMC, cured epoxy and urethane primers. Made for the 3M™ Dynamic Mixing System, it offers exceptionally simple application. Our creamy filler spreads quickly, easily and smoothly. It is vacuum processed to be pinhole free.

Repair Cosmetic Imperfections

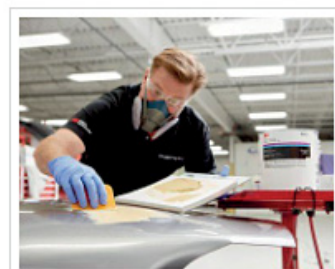
This 2-component filler is used to repair dents, dings, gouges and other cosmetic imperfections. Our filler repairs these blemishes with the added convenience of being stain-free and tack-free. Fast curing properties allow for sanding in approximately 15 to 20 minutes.

Benefits of the 3M™ Dynamic Mixing System

The secret to a better finish with the [3M™ Dynamic Mixing System](#) lies in the vortex-like action in the mixing nozzle. By mixing 2-component products directly in the nozzle, the applicator quickly delivers the perfect ratio of product. Within this sealed environment, no air is allowed to enter when the filler or glaze and hardener are mixed. The 3M™ Dynamic Mixing System increases job productivity while ensuring the body repair quality you've come to expect.

Technical Specifications

This filler offers a working time of 3 to 5 minutes and may be applied in a wide temperature range of 45°F (7°C) to 110°F (43°C). Drying time is 15 minutes at a temperature of 77°F (25°C).



3M premium fillers are easy to spread and sand

Looking for [dependable automotive body fillers](#)? Rely on [3M for quality and long-lasting products](#).