



Platinum™ Lightweight Body Filler

01121 • 01171 • 01231 • 01271 • 31311

Technical Data Sheet

July, 2011

3M Part No.(s)	3M Part Descriptor(s)
01121	3M™ Platinum™ Lightweight Body Filler - One quart can- 25.6 fl oz
01171	3M™ Platinum™ Lightweight Body Filler - One gallon can - 102 fl oz, 3.0 L, 0.80 US gal
01231	3M™ Platinum™ Lightweight Body Filler - Three gallon mechanical dispenser pail 2.2 gallons, 8.3L, 282 fl oz.
01271	3M™ Platinum™ Lightweight Body Filler - Three gallon air dispenser cartridge - 2.2 gallons, 8.3L, 282 fl oz.
31311	3M™ Platinum™ Lightweight Body Filler - Five gallon air dispenser pail - 3.75 gallons, 14.2L

Product Description 3M™ Platinum™ is a premium, professional 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 **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	PN 01121 - One quart metal can PN 01171 - One gallon metal can PN 01231 - Three gallon mechanical dispenser metal pail PN 01271 - Three gallon air dispenser fiber cartridge PN 31311 - Five gallon air dispenser metal pail	1.0 oz. plastic tube 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

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Product Uses

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%

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

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

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Directions for Use

1. Clean the repair area using soap and water followed by a wax & grease remover/surface cleaner. 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 clean paper or cloth towel and a wax & grease remover/surface cleaner.
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 @ 75°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.



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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 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

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.

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For Additional Health and Safety Information



Automotive Aftermarket Division

3M Center, Building 223-6N-01
St. Paul, MN 55144-1000
1-877-666-2277 (1-877-MMM-CARS)
www.3MCollision.com

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