



Platinum Plus Finishing Glaze

31180 • 3180 • 3080

Technical Data Sheet

October, 2011

3M Part No.(s)	3M Part Descriptor(s)
31180	3M™ Platinum Plus Finishing Glaze - 30 fl oz pump container
3180	3M™ Platinum Plus Finishing Glaze - 24 fl oz bottle
3080	3M™ Platinum Plus Finishing Glaze - 16 fl oz pump container

Product Description 3M™ Platinum Plus Finishing Glaze is two-part premium self leveling finishing glaze that is capable of repairing minor imperfections on properly prepared substrates such as galvanized steel, steel, aluminum, fiberglass, wood, SMC, E-coat, OEM topcoats, cured/sanded epoxy and urethane primers. 3M™ Platinum Plus Finishing Glaze cuts the sanding time to as little as 15 minutes.

Features

- Self-leveling formula is excellent for skim coating and offers good vertical hang
- Easy sanding
- Super adhesion to most substrates
- Stain Free/Tack Free
- Pinhole Free formula

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 - Glaze	Part B
Container	PN 31180 - Plastic bottle PN 3180 - Plastic bottle PN 3080 - Plastic bottle	1 oz. plastic tube
Base	Polyester Resin with Styrene Monomer	Benzoyl Peroxide
Density	8.65 lb/gal	10.0 lb/gal
Color	Mint Green	Blue
Viscosity @ 77°F (25°C) - Brookfield Viscometer	26.4K - 36.8K cps	70,000 - 150,000 cps

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Product Uses

3M™ Platinum Plus Finishing Glaze is intended to be used as an auto body repair material. This polyester finishing glaze is capable of repairing minor imperfections such as scratches, gouges, pinholes, door dings. Can be used as a finish coat over body filler to fill pinholes and low filled areas. It may be applied on properly prepared steel, aluminum, galvanized, SMC, Fiberglass, wood and cured automotive paint surfaces. 3M™ Platinum Plus Finishing Glaze may also be used for industrial and architectural surfaces needing minor surface 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:

15 - 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:	1,800 psi	ASTM D1002
Lap Shear, Aluminum to Aluminum:	1,290 psi	ASTM D1002
Tensile Strength:	1,670 psi	ASTM D638
Shore D hardness @ 24 hrs:	78	ASTM D2240
Flexural Strength:	3,040 psi	ASTM D790 Procedure A
Shrinkage:	1.00%	LTM 855.0084

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Directions for Use

SURFACE PREPARATION:

Clean the repair area using soap and water followed by a wax and grease remover. 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 and grease remover.

APPLICATION:

1. Apply the required amount of Glaze 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 glaze ratio = *50 to 1 by weight or a 3 inch circle diameter of Glaze to 1-1/4 inch of cream hardener.*
2. Mix the Glaze and cream hardener thoroughly, to a uniform color. Gel time/ setting time is approximately 3-5 minutes @ 75°F (24°F) using 2% hardener as prescribed. Spread the Glaze 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 Glaze in layers, building up the damaged area higher than the surrounding surface. Maximum Glaze thickness should not exceed 1/8 inch. Allow curing time of 15 to 20 minutes.
4. Sand the Glaze to the proper contour with 3M™ abrasives, using the following recommended grade sequence: P150, P180, P320. **Note:** If more Glaze 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

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.

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



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