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3M Platinum Plus Glaze 03180 User Manual

Model: 03180 | Brand: 3M

1. INTRODUCTION

The 3M Platinum Plus Glaze 03180 is a high-quality, self-leveling polyester finishing glaze designed for repairing minor imperfections such as scratches, pinholes, and door dings on various surfaces. This product is formulated to provide a smooth, pinhole-free finish and is suitable for use as a final coat over body filler or for direct application on properly prepared substrates.

It offers strong adhesion to galvanized steel, E-coat, metal, aluminum, fiberglass, SMC, OEM paints, and cured epoxy and urethane primers. Its easy-sanding properties allow for efficient finishing in as little as 15 minutes. This product is intended exclusively for industrial and occupational use.



Figure 1: 3M Platinum Plus Glaze 03180 container shown with accompanying cream hardener. This image illustrates the product packaging for the glaze and its essential component for activation.

2. SAFETY INFORMATION

WARNING: This product is for industrial/occupational use only. It is not intended for consumer sale or use. Misuse may result in injury, sickness, death, or property damage.

Always read and understand the Safety Data Sheet (SDS) before using this product. Ensure adequate ventilation during use. Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and respiratory protection as needed.

Flammable Liquid and Vapor: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Causes eye irritation. May cause an allergic skin reaction. Read carefully other cautions on the product label and SDS.

For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.

3. PRODUCT FEATURES

- **Self-leveling formula:** Excellent for skim coating and offers good vertical hang.
- **Easy-sanding properties:** Allows sanding in as few as 15 minutes, enhancing work efficiency.
- **Strong adhesion:** Compatible with galvanized steel, E-coat, metal, aluminum, fiberglass, SMC, OEM paints, cured epoxy, and urethane primers.
- **Stain and tack-free properties:** Ensures a clean application and finish.
- **Pinhole-free formulation:** Designed to minimize surface imperfections.

4. SETUP AND PREPARATION

1. **Surface Cleaning:** Ensure the repair area is clean, dry, and free from dirt, grease, wax, and rust. Use an appropriate automotive cleaner or degreaser.
2. **Sanding:** Sand the repair area with 80-180 grit sandpaper to create a proper adhesion profile. Featheredge the surrounding paint.
3. **Dust Removal:** Thoroughly remove all sanding dust with compressed air and a clean cloth.
4. **Mixing:** This is a two-part product. Dispense the required amount of 3M Platinum Plus Glaze onto a clean mixing board. Add the appropriate amount of cream hardener as specified on the product label (typically 2% by weight). Mix thoroughly until a uniform color is achieved, ensuring no streaks of unmixed hardener remain. Avoid over-mixing, which can introduce air bubbles.

Note: Pot life is approximately 2 minutes once hardener is mixed. Work quickly and mix small batches as needed.

5. OPERATING INSTRUCTIONS (APPLICATION)

1. **Application:** Apply a thin, even layer of the mixed glaze to the prepared surface using a plastic spreader. Apply firm pressure to ensure maximum adhesion and to fill all imperfections.
2. **Building Layers:** If a thicker application is required, apply multiple thin coats, allowing each coat to flash off or partially cure before applying the next. Avoid applying excessively thick layers in a single pass.
3. **Curing:** Allow the glaze to cure for at least 15-20 minutes at 70°F (21°C) before sanding. Curing time may vary with temperature and humidity.
4. **Sanding:** Once cured, sand the glaze with 180-220 grit sandpaper to achieve the desired contour and smoothness. Finish with finer grits (e.g., 320-400) for optimal paint preparation.
5. **Final Cleaning:** Clean the sanded area thoroughly to remove all dust before priming or painting.

6. MAINTENANCE AND STORAGE

- **Storage:** Store the 3M Platinum Plus Glaze in its original sealed container in a cool, dry, well-ventilated area, away from direct sunlight and sources of ignition. Ideal storage temperature is between 60°F (16°C) and 80°F (27°C).
- **Shelf Life:** Refer to the product packaging for specific shelf life information. Ensure the lid is tightly sealed after each use to prevent contamination and premature curing.
- **Cleanup:** Clean tools and mixing boards immediately after use with an appropriate solvent cleaner before the glaze hardens.

7. TROUBLESHOOTING

- **Poor Adhesion:**

- Ensure the surface was properly cleaned and sanded before application.
- Verify the substrate is compatible with the glaze.

- **Pinhole Formation:**

- Avoid over-mixing the glaze and hardener, which can introduce air.
- Apply with firm pressure to force out trapped air.
- Ensure the surface is free of contaminants.

- **Slow Curing/Soft Spots:**

- Verify the correct hardener ratio was used.
- Ensure ambient temperature is within the recommended range.
- Mix hardener thoroughly and evenly throughout the glaze.

- **Difficult Sanding:**

- Allow sufficient cure time before sanding.
- Ensure proper hardener ratio; too much hardener can make it brittle, too little can make it gummy.

8. SPECIFICATIONS

Model Number	03180
Product Name	Platinum Plus Glaze
Brand	3M
Container Size	24 fl oz (709 ml)
Material Compatibility	Galvanized steel, E-coat, metal, aluminum, fiberglass, SMC, OEM paints, cured epoxy, urethane primers
Sanding Time	As few as 15 minutes (at 70°F / 21°C)
UPC	051593031803

Note: Specifications are subject to change without notice. Always refer to the product packaging for the most current information.

9. WARRANTY INFORMATION

3M products are sold with the understanding that the buyer will test them in actual use to determine their suitability for the buyer's intended purpose. 3M warrants that its products will be free from defects in material and manufacture 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 A PARTICULAR PURPOSE.

For specific warranty details, limitations, and claims procedures, please refer to the official 3M product documentation or contact 3M directly through their official website.

10. SUPPORT AND CONTACT

For technical assistance, product inquiries, or safety information, please contact 3M directly.

- **Official Website:** Visit the 3M website for comprehensive product information, Safety Data Sheets (SDS), and support resources: www.3M.com
- **Industrial & Occupational Products:** For specific information regarding industrial and occupational products, refer to the relevant sections on the 3M website or contact their industrial support team.