



Automotive Aftermarket Division

3M™ 31180/03180/03080 Platinum Plus Finishing Glaze

1) Part Numbers

3M™ 31180	:	887ml Pump container
3M™ 03180	:	710ml Bottle
3M™ 03080	:	476ml Pump Container

2) Description and end uses

3M™ Platinum Plus Finishing Glaze is two-part premium self-levelling finishing glaze that is capable of repairing minor imperfections on properly prepared substrates such as galvanized steel, steel, aluminium, 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.

Self-levelling 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

3) Physical Properties

	Part A - Glaze	Part B
Container	PN 31180 - Plastic bottle PN 03180 - Plastic bottle PN 03080 - Plastic bottle	28g plastic tube
Base	Polyester Resin with Styrene Monomer	Benzoyl Peroxide
Density	863 g/L	997 g/L
Colour	Mint Green	Blue
Viscosity @ 77°F (25°C) - Brookfield Viscometer	26.4K - 36.8K cps	70,000 - 150,000 cps



Technical Data Sheet

Effective: 28/02/2020

The following times have been determined with ambient air temperature and substrate temperature @ 25°C and are considered typical values.

SHAPE SAND TIME:

8 to 12 minutes when mixed with 2% hardener by weight @ 25°C

FINISH SAND TIME:

15 - 20 minutes when mixed with 2% hardener by weight @ 25°C

RECOMMENDED APPLICATION TEMPERATURE:

Above 7°C

SERVICE TEMPERATURE:

Min. -29°C Max. 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	1,290 psi	ASTM D1002
Tensile Strength:	1,670 psi	ASTM D638
Shore D hardness @ 24	7	ASTM D2240
Flexural Strength:	3,040 psi	ASTM D790
Shrinkage:	1.00	LTM 855.0084

4) Directions for Use

SURFACE PREPARATION:

Clean the repair area using soap and water followed by an appropriate VOC complaint product for removal of surface contaminants. 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 an appropriate VOC complaint product for removal of surface contaminants.



Technical Data Sheet

Effective: 28/02/2020

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 a 1-1/4 inch of cream hardener.*
2. Mix the Glaze and cream hardener thoroughly, to a uniform colour. Gel time/setting time is approximately 3-5 minutes @ 24°C 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 thin wet on wet layers, building up the damaged area higher than the surrounding surface. Maximum Glaze thickness should not exceed 3mm. 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. Wait approximately 45 minutes before applying primer and paint, always follow your paint company’s recommended procedures.

5) 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 18-27°C for optimal shelf life.

6) Safety

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.

3M™ 31180/03180/03080 Platinum Plus Finishing Glaze is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.



Technical Data Sheet

Effective: 28/02/2020

7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable but the accuracy or completeness thereof is not guaranteed. Please ensure before using our product that it is suitable for your intended use. All questions of reliability relating to this product are governed by the Terms of Sale subject, where applicable, to the prevailing law.

For Additional Health and Safety Information

3M South Africa & Sub-Saharan Africa, 146A Kelvin Drive, Woodmead, Sandton, South Africa, Tel: (0861) 225536
3M (East) AG Representation Office Tirane, Rruga Sami Frasheri, Pallati i Ri Perxhola Kati 2 Ap2, 1000 Albania
3M Arabia, LLC, Building 24-25 3M Saudi Arabia Zone C, Business Gate, Airport Road, Riyadh, Saudi Arabia
3M Bulgaria, Mladost 4, Business Park, bl.4, 2nd floor, Sofia 1766, Bulgaria
3M Česko, spol. s r.o., V Parku 2343/24, 148 00 - Praha 4, Czech Republic
3M (East) AG, Branch office Croatia, Avenija Većeslava Holjevca 40, 10 000 Zagreb, Croatia, Tel: +385 1 2499750, www.3m.com.hr
3M Egypt, Finance Center , New Cairo , Plot 140 , Banking Sector , 5th settlement , Cairo , Egypt
3M Hellas MEPE, Automotive Aftermarket Division, 20 Kifisias Avenue, 151 25 Marousi, Greece, Phone: +30 210 68 85 300, innovation.gr@mmm.com , www.3M.gr
3M Hungária Kft, Neumann János u. 1/E, 1117 Budapest, Hungary
3M Israel, 91 Medinat Hayehudim St., Herzliya, Israel
3M Kenya Ltd, Victoria Towers, 3rd Floor, Kilimanjaro Av, Upperhill, Kenya
3M Gulf Limited, Ein El Mreisseh, Saint Charles City Center, 4th. Floor, P.O.Box: 11-5025, Riad el Solh, Beirut 1107 2180 Lebanon
3M Minnesota Mining & Manufacturing Nigeria Limited, No 2 Sheraton Opebi Link Road, Ikeja, Lagos Nigeria
3M Pakistan, Islamic Chamber of Commerce Building, ST-2/A, Block 9, KDA Scheme 5, Clifton, Karachi, Pakistan
3M Poland, Al. Katowicka 117, Kajetany, 05-830 Nadarzyn, Poland, Telefon: +48 22 739 60 00, www.3m.pl/kontakt
3M Gulf (Representation Office), Suhaim Bin Hamad St., Al Mana Towers Tower B, 2nd Floor, Office No.4, Doha Qatar, P.O.Box 14685
3M Romania, 12 Meneuului St., Bucharest Business Park, Building D, District 1 013713 Bucharest, Romania
3M (East) AG, Representation Office Serbia, Airport City, Omladinskih brigada 90B, 11070 Belgrade, Serbia, Tel: +381 11 2209 400, www.3m.co.rs/3M/sr_RS/3m-south-east-europe/
3M Slovensko s.r.o., Polus Tower 2, Vajnorská 100/B, 83104 Bratislava
3M (East) AG, Branch office Slovenia, Cesta v Gorice 8, 1000, Ljubljana, Slovenia,



Technical Data Sheet

Effective: 28/02/2020

Tel: +386 1 2003 630, www.3m.com/3M/sI_Sl/3m-south-east-europe/

3M Sanayi ve Ticaret As, Barbaros Mah., Mor Sümbül Sok., No:7/3F, 27-51, Nidakule Ataşehir Güney,
34746 Ataşehir, İstanbul, Turkey

3M Gulf Limited, Dubai Internet City, Building No. 11, 3rd Floor, U.A.E

© 3M 2019. 3M is a trademark of the 3M company. All rights reserved