



GLOBAL REFINISH
SYSTEM

Product Information

D8152 Performance⁺ Glamour Clearcoat

Product Description

D8152 Performance⁺ Glamour Clearcoat is a premium glamour clear specifically developed for exceptional gloss, ease of application, easy buffability and exceptional hold out.

D8152 provides users with industry leading speed, efficiency, application and gloss. It is designed for use over Global BC (see data sheet EU-02) and Envirobase High Performance (see data sheet EU-143).

Preparation of Substrate



In all cases, wash all surfaces to be painted with soap and water, then apply the appropriate Global cleaner. See EU-134 Global Cleaners bulletin for selection and usage instructions. Ensure that the substrate is thoroughly cleaned and dried both before and after application work.



Wet sand with U.S. 500 – 600 / European P800 – 1200 grade paper or dry sanding with U.S. 400 – 500 / European P600 – 800 grade paper.



Wash off residue and dry thoroughly before recleaning with appropriate Global substrate cleaner. The use of a tack rag is recommended.

Apply D8152 Performance⁺ Glamour Clear over Global BC and Envirobase High Performance. See the product data sheet for details on Global BC & Envirobase High Performance system applications.

APPLICATION GUIDE:

Mix Ratio for D8152 Performance+ Glamour Clearcoat



D8152 : 3 vols
D83xx Hardeners : 1 vol
“D” Series Thinner : 1 vol



Potlife @ 68°F / 20°F: 4 hours

Use the tables to determine the proper Hardener and thinner needed for your application.
Hardener selection may be dependent on the size of repair.

Hardener Selection:

D8370:* 55° - 70°F (13° - 21°C)
D8371: 70° - 85°F (21° - 29°C)
D8372: 85° - 95°F (29° - 35°C)
D8373: 95°F / 35°C & above

***More applicable for small parts**

Use only D8371, D8372 and D8373
over Envirobase High Performance.

“D” Series Thinner Selection:

D870 : Up to 65°F / 18°C – 65°F
D871 : 65° – 77°F / 18° – 25°C
D872 : 77° – 95°F / 25° – 35°C
D873 : Over 95°F / 35°C

D8700: In extreme heat conditions D8700 may replace up to
25% of the recommended thinner levels.

Additives:



D814 Plasticiser may be used to flexibilize D8152 Clear.

D8152: 2 vols
D83xx Hardeners: 1 vol
“D” Series Thinner: 1 vol
D814: 1 vol

Spraygun set-up:



Fluid Tip 1.2 – 1.5 mm or equivalent

Spray Viscosity 17 – 18 secs #2 ZAHN (Signature type) @ 68°F / 20°C

The gun set-ups below can be used as a guide to get the best performance when spraying D8152

Sata Jet 2000 RP	1.2 / 1.3 mm
Sata NR 2000 HVLP	1.3 mm
Sata Jet 3000 RP	1.3 mm
Sata Jet 3000 HVLP	1.4 / 1.5mm
Iwata LPH 400	1.3 mm
Iwata W400	1.3 mm
Devilbiss GTI Plus	1.3 / 1.4 mm
Devilbiss Tekna	1.3 mm
Sharpe Razor	1.3 / 1.4 mm

Spray pressure:

HVLP at air cap 8 – 10 PSI

Conventional at spray gun 45 – 55 PSI

Number of coats:



Apply: 2 coats

Film build per wet coat 2.5 – 3.0 mils

Dried film build per coat 1.0 – 1.4 mils

Note: Apply the first coat like you want the final finish to appear.

APPLICATION GUIDE

Flash off at 68°F / 20°C:



<i>Between coats</i>	5 – 10 minutes
<i>Before baking</i>	0 – 5 minutes

Drying times:



Dust-free
68°F / 20°C 20 – 40 minutes

Dry to handle
68°F / 20°C 3 – 4 hours minimum
140°F / 60°C 30 minutes



Air Dry
68°F / 20°C 8 hours



Bake
140°F / 60°C (*Metal Temp*)* When using D8370 - 20 minutes
When using D8371, D8372 and D8373 - 30 minutes

Tape Time
68°F / 20°C 6 – 8 hours
140°F / 60°C (*Metal Temp*)* After a bake cycle and 1 hour cool down



IR (Infrared)
Medium Wave 25 minutes
Short Wave 15 minutes

Note: All force dry times are quoted for metal temperature. Additional time must be allowed during force dry to allow metal to reach recommended temperature.

Overcoat/Recoat:



Overcoat/Recoat Time 16 hours at 68°F / 20°C or after force dry/cool down.
D8152 must be sanded before recoating with primer, color or clear.



Grade wet U.S. 500 – 600 / European P800 – 1200

Grade dry U.S. 400 – 500 / European P600 – 800



Overcoat with Any Global topcoat system

Polishing

Use a 3 step process.

1. After bake cycle and 1 hr cool down, use a premium wool pad with a minor cutting compound.
2. Follow with a medium foam pad with machine glaze.
3. Use a soft foam pad with a fine glaze to remove any minor imperfections.

Performance Guidelines:

Allow the Global BC Color to flash off for 15 minutes (but no longer than 24 hours) before applying D8152 Performance[®] Glamour Clearcoat. The timing will depend on thickness and temperature.

Recoating times will be extended at lower temperatures. Global D8152 may be sanded with 1200 grit paper or finer and polished when hard, to rectify minor imperfections.

Fading Out - D8152 Performance[®] Glamour Clearcoat

After spot repairing, clean the gun and then spray D8753 Blending Solvent around the repaired area to lose the edge and blend the repair into the surrounding panel. Spray starting from the outside of the repair, moving to the center.

Technical Data:

Total dry film build

Minimum	2.0 mils
Maximum	3.0 mils
Recommended film build per wet coat	3.0 – 3.5 mils
Recommended dried film build per coat	1.2 – 1.4 mils

Theoretical coverage 669 sq.ft. per US gal.

Theoretical coverage in sq.ft./US gal. Ready-to-spray (RTS), giving 1 mils dry film thickness.

Percent solids by volume RTS 41.8%

VOC Regulatory (Less Water, Less Exempts)

D8152:D83xx:D872, 3:1:1	4.12 lbs. per US gal. (494 gms per litre)
D8152:D83xx:D872:D814, 2:1:1:1	4.40 lbs. per US gal. (527 gms per litre)

Health and Safety:



See **Material Safety Data Sheet and Labels for additional safety information and handling instructions.**

- Before opening the package, be sure all the warning messages on the label and MSDS are understood.
- Improper handling and use, for example, poor spray technique, inadequate engineering controls and/or lack of proper Personal Protective Equipment (PPE), may result in hazardous conditions or injury.
- Follow spray equipment manufacturer's instructions to prevent personal injury or fire.
- Provide adequate ventilation for health and fire hazard control.
- Follow company policy, product MSDS and respirator manufacturer's recommendations for selection and proper use of respiratory protection. Be sure employees are adequately trained on the safe use of respirators per company and regulatory requirements.
- Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on MSDS.
- Always observe all applicable precautions and follow good safety and hygiene practices.

Emergency Medical or Spill Control Information (412) 434-4515; In Canada (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

PPG Automotive Refinish

World Leaders In Automotive Finishes

PPG Industries
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc.
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5
1-888-310-4762