

Performance + Glamour Clearcoat

EU-146

# D8152



GLOBAL REFINISH  
SYSTEM™

## Product Description:

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

D8152 is designed for use over *Global Refinish System* BC (see data sheet EU02) and ENVIROBASE® High Performance basecoat colour (see data sheet EB143).

## Preparation of Substrate:



- In all cases, wash surfaces to be painted with soap and water, then use the appropriate PPG substrate cleaners. Ensure that the substrate is thoroughly cleaned and dried both before and after application work.
- Wet sand with European P800-P1200 / US 500-600 grade paper or dry sand with European P600-P800 / US 400-500 grade paper.
- Wash off residue and dry thoroughly before re-cleaning with appropriate PPG substrate cleaner. The use of a tack rag is recommended.

## Required Products

### Hardener

D8370\* Fast Hardener 60-70°F (15-21°C)  
D8371 Medium Hardener 70-85°F (21-29°C)  
D8372 Slow Hardener 85-95°F (29-35°C)  
D8373 Very Slow Hardener 95°F (35°C) and above

*\*More applicable for small parts.*

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

### Thinner

D870 Fast Thinner 60-65°F (15-18°C)  
D871 Medium Thinner 65-77°F (18-25°C)  
D872 Slow Thinner 77-95°F (25-35°C)  
D873 Very Slow Thinner Over 95°F (35°C)  
DT8110 May replace up to 25% of recommended thinner levels in very warm conditions.

Note: Smaller areas may require faster thinner.

# D8152

**Mix Ratios:**



D8152: 3 vols.  
 D837x Hardener: 1 vol.  
 D87x Thinner: 1 vol.

**Pot Life:**



4 hours at 68°F (20°C)

**Additives:**



SU4985 Matting Agent: See ONECHOICE® OC-2

D814 Plasticiser:

SL814 Universal Flexibilizer:

<b>D8152</b>	:	<b>D837x</b>	:	<b>D87x</b>	:	<b>D814/SL814</b>
2	:	1	:	1	:	1

**Spraygun Setup:**



*Fluid Tip:* 1.2-1.5 mm or equivalent

**Spray Pressure:**

*HVLP:* 8-10 psi at the air cap  
*Compliant:* 29-40 psi at the gun

*Note: For best overall results, refer to spraygun manufacturer's recommendations for inlet air pressures.*

**Number of Coats:**



*Apply:* 2 coats

*Total dry film build per coat:* 1.0-1.4 mils

*Maximum dry film build:* 3.0 mils

*Note: Spray the first coat like you want the last coat to look.*

**Flash Off:**



*Between Coats:* 5-10 minutes  
 68°F (20°C)



*Dust Free:* 60-90 minutes  
 68°F (20°C)

*Dry to Handle:* 4-5 hours  
 68°F (20°C)

*Tape Time:*  
 68°F (20°C) Over night  
 140°F (60°C) After a bake cycle and 1 hour cool down

*Air Dry* Over night  
 68°F (20°C)



*Force Dry\*:* 0-5 minutes purge  
 140°F (60°C) 20 minutes when using D8370  
 30 minutes when using D8371, D8372 and D8373



*IR:*  
*Medium Wave:* 45 minutes  
*Short Wave:* 25 minutes



*\*Force dry times are quoted for metal temperature. Additional time should be allowed in the force drying schedule to allow metal to reach recommended temperature.*

## D8152

## Overcoat/Recoat:



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



**Grade Wet:** European P800-P1200 / US 500-600

**Grade Dry:** European P600-P800 / US 400-500



Recoating times will be extended at lower temperatures.

## Polishing:



Use a 3 step process.

1. After bake cycle and 1 hour 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.

## Equipment Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any PPG general purpose solvent, lacquer thinner or DX reducer.

## Technical Data:

RTS Combinations	D8152 : D837x : D87x	D8152 : D837x : D87x : D814/SL814
Volume Ratio	3:1:1	2:1:1:1
VOC Regulatory (less water less exempts) g/L	494	526
VOC Regulatory (less water less exempts) lbs./ US gal	4.12	4.39
Solids vol. %	41.8	38.5
Solids wt. %	47.9	44.4
Sq. Ft. Coverage / US gal. 1 mil at 100% transfer efficiency	669	618

## Health and Safety:



- The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels and SDS's of all the components, since the mixture will have the hazards of all of its parts.
- 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 SDS 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 SDS.
- Always observe all applicable precautions and follow good safety and hygiene practices.

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

**Important:** The contents of this package must be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

**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 public. Products mentioned may be hazardous and should only be used according to direction, 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.

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Product Information Effective 11/15

Performance + Glamour Clearcoat

**Mix:**



**D8152** : **D837x Hardener** : **D87x Thinner**  
**3** : **1** : **1**

**Hardener Selection**

D8370 Fast Hardener 60-70°F (15-21°C)  
 D8371 Medium Hardener 70-85°F (21-29°C)  
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 DT8110 May replace up to 25% of recommended thinner levels in very warm conditions.

**Additives:**

SU4985 Matting Agent: See OC-2

D814 Plasticiser:

SL814 Universal Flexibilizer:

**D8152** : **D837x** : **D87x** : **D814/SL814**  
**2** : **1** : **1** : **1**

**Pot Life:**



4 hours at 68°F (20°C)

**Air Pressure:**



HVLP:

Compliant:

Fluid Tip:

8-10 psi at the air cap

29-40 psi at the gun

1.2-1.5 mm or equivalent

**Application:**



Apply:

Between Coats:

2 coats

5-10 minutes at 68°F (20°C)

**Dry Times:**



Dust Free:

Dry to Handle:

Tape Time:

60-90 minutes at 68°F (20°C)

4-5 hours at 68°F (20°C)

Overnight at 68°F (20°C)

After bake cycle and cool down at 140°F (60°C)

Force Dry:\*\*

0-5 minutes purge

20 minutes at 140°F (60°C) with D8370

30 minutes at 140°F (60°C) with D8371, D8372 & D8373



IR:

Medium Wave:

Short Wave:

45 minutes

25 minutes



Dry to Overcoat/Recoat:

After force dry/cool down or 16 hour at 68°F (20°C)

Must be sanded before recoating with primer, colour or clear



Grade Wet:

Grade Dry:

European P800-P1200 / US 500-600

European P600-P800 / US 400-500

\*\*Bake times quoted are for metal temperature. Additional time should be allowed in the force drying schedule to allow metal to reach recommended temperature.