



GLOBAL REFINISH
SYSTEM

Product Information

D8188 Glamour LV Clearcoat

Product Description

D8188 is a high solids appearance clearcoat providing the ultimate depth and gloss over Envirobase HP Waterborne Basecoats for the low VOC market. It provides a fast, easy to apply high gloss and very durable finish. The combination of hardeners allows D8188 versatility for a variety of uses.

When used according to the recommendations set out in this datasheet, these products will comply with 2.1/gal VOC limits for base clear finishes.

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 D8188 Glamour LV Clearcoat over Global BC and Envirobase HP. See the product data sheet for details on Global BC & Envirobase High Performance system applications.

APPLICATION GUIDE:

Mix Ratio for D8188 Glamour LV Clearcoat



D8188 : 3 vols
D838x : 1 vol
D8767 : +10%



Potlife @ 68°F / 20°C:

3 – 4 hours for standard and medium sized repairs
2 – 3 hours for panel and spot repairs (D8382 Hardeners)

Use the tables to determine the proper hardener and thinner needed for your application.

Hardener Selection:

D8382*: Glamour LV Express Hardener
55° - 70°F (13° - 21°C)
D8383 : Glamour LV Fast Hardener
70° - 85°F (21° - 29°C)
D8384: Glamour LV Medium Hardener
85° - 95°F (29° - 35°C)
D8385: Glamour LV Slow Hardener
95°F (35°C) and above

Thinner Selection:

D8767

** More applicable for small parts*

Hardener selection may be dependent on the size of the repair.

Additives:



SLV814 Universal Flexibilizer may be used to flexibilize D8188Clear.

D8188: 2 vols
D838x: 1 vol
D8767: +10%
SLV814: 1 vol

Spraygun set-up:



Fluid Tip

1.3 – 1.6 mm (.050 – .063)

Spray Viscosity

15 – 17 secs DIN 4 @ 68°F / 20°C

Spray pressure:

HVLP at air cap

Max. 10 PSI

Refer to the manufacturers gun recommendations for air pressure.

Number of coats:



Apply:

2 wet coats

Film build per wet coat

2.0 – 2.5 mils

Dried film build per coat

1.0 – 1.5 mils

Flash off at 68°F / 20°C:



Between coats





5 – 10 minutes

Before baking

None






APPLICATION GUIDE

Drying times:

	<i>Dust-free</i> 68°F / 20°C	20 – 60 minutes
	Dry to handle 68°F / 20°C	4 – 6 hours
	<i>Air Dry</i> 68°F / 20°C	16 hours
	<i>Force Dry (Metal Temperature)*</i> 140°F / 60°C	When using D8382 - 15 minutes When using D8383 - 20 minutes When using D8384 - 30 minutes When using D8385 - 40 minutes
	<i>Tape Time</i> 68°F / 20°C	16 hours
	<i>IR (Infrared)</i> Medium Wave	5 minutes 1/2 bake 9 minutes full bake
	Short Wave	5 minutes

* *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:

	<i>Overcoat/Recoat Time</i>	16 hours at 68°F / 20°C or after force dry/cool down. D8188 must be sanded before recoating with primer, color or clear.
	<i>Grade wet</i>	U.S. 500 – 600 / European P800 – 1200
	<i>Grade dry</i>	U.S. 400 – 500 / European P600 – 800
	<i>Overcoat with</i>	Any Global topcoat system
	<i>Polishing</i>	Polishing is not normally required. If, however, polishing is required to remove minor dirt nibs, wet sand with P1500 wet and follow normal polishing procedures.

Performance Guidelines:

Allow the Envirobase HP Waterborne Basecoat or Global BC to flash off for 15 minutes (but no longer than 24 hours) before applying D8188 Clear. If basecoat dries longer than 24 hours, additional basecoat must be applied before clearcoating. The timing will depend on thickness and temperature.

Recoating times will be extended at lower temperatures. Global D8188 may be sanded with 1200 grit paper or finer and polished when hard, to rectify minor imperfections.

Fading Out - D8188 Clear

After spot repairing, clean the gun and then spray D8753 Universal 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	2.0 – 2.5 mils
Recommended dried film build per coat	1.0 – 1.5 mils

Technical Data continued:

RTS Combinations:	D8188 : D838x : D8767	D8188 : D838x + D8767 : SLV814
Volume Ratio:	3 : 1 + 10 %	2 : 1 + 10 % : 1
Applicable Use Category	Clear Coating	Clear Coating (flexed)
VOC Actual (g/l)	126	113
VOC Actual (lbs/gal)	1.05	0.94
VOC Regulatory (less water less exempt) (g/l)	244 – 246	226
VOC Regulatory (less water less exempt) (lbs/gal)	2.04 – 2.05	1.89
Density (g/l)	1190 – 1192	1196
Density (lbs/gal)	9.93 – 9.95	9.98
Volatiles wt. %	65.2	65.8
Water wt. %	0	0
Exempt wt. %	54.6	56.4
Water vol. %	0	0
Exempt vol. %	48.4 – 48.5	50.3
Solids vol. %	36.8 – 36.9	36.6
Sq Ft. Coverage / U.S.gal. 1 mil. @ 100% transfer efficiency	590 – 592	588

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.
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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.

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