



GLOBAL REFINISH  
SYSTEM

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# Product Information

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## DGLV Direct Gloss LV Color

### Product Description

Global Refinish System DGLV is a high-performance two-pack acrylic urethane topcoat designed for the direct gloss repair and respray of cars and commercial vehicles, where local regulations require a maximum VOC of 3.5 lb./gal.

The performance of Global Refinish System DGLV in a recommended Global repair system meets or exceeds motor manufacturer warranty requirements and the Global Refinish System carries many OEM approvals.

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### Preparation of Substrate:



Apply over original baked finishes or over recommended Global primers.



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.

Apply DGLV Color after (WET) sanding with U.S. 400 – 500 / European P600 – 800 grade paper or dry sanding with U.S. 360 – 400 / European P400 – 600 grade paper.



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

## APPLICATION GUIDE:

### Mix Ratio:



DGLV            2 vols  
D884 Hardener    1 vol  
Add Thinner       5 – 10% by volume  
Add D885/D886    1 oz. per ready-to-spray quart



Potlife @ 68°F / 20°C

1 - 2 hours @ 68°F / 20°C temperature:

Use the below chart to choose the appropriate thinner and additive according to the application

### Thinner:

Temperature	Thinner	Dry Method	Additive
Up to 65°F / 18°C	D8764	Air Dry	1 oz. D885
65° – 77°F / 18° – 25°C	D8774	Air Dry	1 oz. D885
Over 95°F / 25°C	D8767	Air Dry/Baking	1/2 oz. D885 + 1/2 oz. D886

### Additives:



**D885 Accelerator and/or D886 Extender** are required to properly mix DGLV.  
Use the ratios found in the mixing section.

**SLV814 Universal Flexibilizer:** Mix at **2 : 2 : 1 : 1 (DG : Hardener : D Thinner : SLV814)**  
See EU47 for further information on D814 Plasticiser.

### Spraygun set-up:



*Fluid Tip*

1.3 – 1.5 mm or equivalent

*Spray Viscosity*

20 – 30 secs ZAHN 2 @ 20°C / 68°F

### Spray pressure:

*HVLP*

10 PSI / 0.7 bar (*at air cap*)

*Conventional*

45 – 55 PSI / 3 – 4 bar (*at spray gun*)

### Number of coats:



*Apply*

2 – 3 coats or until hiding

*Film build per wet coat*

2.0 mils

*Dried film build per coat*

1.0 mils

### Flash off at 68°F / 20°C:



*Between coats*

3 – 7 minutes

*Before stoving*

0 – 10 minutes

### Drying times:



*Dust-free 68°F / 20°C*

50 – 70 minutes

*Dry to handle 68°F / 20°C*

6 – 8 hours



*Tape Time*

68°F / 20°C

6 – 8 hours

140°F / 60°C

3 hours



*Through dry*

68°F / 20°C

24 hours

140°F / 60°C

30 minutes



*IR (Infrared)*

Medium Wave

10 – 15 minutes, depending on color

Short Wave

8 minutes, depending on color.

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

## APPLICATION GUIDE

### Overcoat/Recoat:



*Recoat*

After surface has cooled if baked, or  
after 8 hours minimum @ 68°F /20°C



*Grade wet*

*Grade dry*

*For best adhesion, sanding is essential before recoating*

U.S. 500 / European P800

U.S. 360 / European P400



*Overcoat with*

With any Global primers, topcoats or clearcoats.

Clearcoats can be applied after a minimum of 2 hours dry.

### Performance Guidelines:

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

### Fading Out:

After spot repairing, mix equal parts of RTS CLV and D853, Global Refinish System Fade-Out Thinner. Spray this mixture 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.

### Product Compatibility

#### DGLV may be applied over:

Cured Air Dry Finishes

OEM Basecoat/Clearcoat (*must be sanded*)

OEM Enamels (*must be sanded*)

OEM & Refinish Lacquers (*must be sanded and sealed*)

D820 Plastic Adhesion Promoter

D822 Corrosion Resistant Primer  
(*not in Rule 1151 area*)

D831 Chromate Free Wash Primer  
(*must be sealed or primed afterwards*)

D891 Sealer (*not in Rule 1151 area*)

D8080 UV Cured Primer Surfacer

SX/SXA1050 Plastic Adhesion Promoter  
(*Specialty Performance Products*)

SX1056 Flexible 2K Sealer

SX1057 Flexible 2K Surfacer

SX1080 2K Rollable Surfacer LV

SX4903 Advanced Plastic Bond (*See OC-1*)

### Technical Data:

#### Total dry film build:

Minimum 2.0 mils / 50µm

Maximum 4 mils / 100µm

#### Theoretical coverage

417 sq.ft. per US gal. / 10.3 m<sup>2</sup> per liter

*Theoretical coverage in sq.ft./US gal. (m<sup>2</sup>/litre) Ready-to-spray (RTS), giving 2 mils (50µm) dry film thickness.*

#### Percent solids by volume RTS

52%

#### RTS Combinations:

	DGLV	DGLV : D884 + D87XX + D885/D886	DGLV : D884 : D87XX : SLV814 + D885/D886
Volume Ratio:	Package Color (as is)	2 : 1 + 10% + 1 oz/qt	2 : 2 : 1 : 1 + 1 oz/qt
Applicable Use Category	Single-Stage Coating	Single-Stage Coating	Single-Stage Coating (flexed)
VOC Actual (g/L)	452 - 515	330 - 371	221 - 260
VOC Actual (lbs/gal)	3.77 - 4.30	2.76 - 3.10	1.85 - 2.18
VOC Regulatory (less water less exempt) (g/L)	452 - 515	364 - 419	304 - 354
VOC Regulatory (less water less exempt) (lbs/gal)	3.77 - 4.30	3.04 - 3.50	2.54 - 2.96
Density (g/L)	1005 - 1353	1045 - 1255	1098 - 1213
Density (lbs/gal)	8.39 - 11.29	8.72 - 10.47	9.16 - 10.12
Volatiles wt. %	33.4 - 49.3	35.1 - 44.7	46.4 - 52.5
Water wt. %	0.0	0.0	0.0
Exempt wt. %	0.0	8.7 - 10.4	28.1 - 31.1
Water vol. %	0.0	0.0	0.0
Exempt vol. %	0.0	9.0	27.1

**Health and Safety:**

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



- 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 MSDS's of all the components, since the mixture will have the hazards of all 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 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**

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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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