



GLOBAL REFINISH  
SYSTEM

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# Product Information

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## D814 Plasticiser

### Product Description

D814 Global Plasticiser is an additive that gives flexibility to Global DG colors, as well as recommended Global clears and primer systems, when used on plastics.

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### 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.



Clean plastic surfaces with D846 Degreasing Agent for Plastics and prepare with appropriate primer.



See the appropriate Global Refinish System Data Sheet for full process details.

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## APPLICATION GUIDE

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*\*Use the tables on top of page 3 to select hardener and thinner according to dry method and application temperature.*

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### Mixing Ratio with D839 / D825:



D839 / D825 Ready to spray mix      *Pot life is 1 hour @ 68° (20°C)*  
D814 10% by volume

**Note: Do not mix D814 with D839 as a spray filler. Only mix D839 as a flexed primer surfacer or sealer.**  
*See the Product Information Bulletin for D839 (EU-36) and D825 (EU-83) for application information.*

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### Mix Ratio with DG Color / D893:



DG / D893: 2 vols  
D884 or D887 Hardener: 1 vol      *Pot life is 1 - 3 hours @ 68° (20°C)*  
\*Thinner: 1 vol  
D814: 1 vol

*See the Product Information Bulletin for DG Color (EU-01) or D893 (EU-112) for application information.*

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### Mix Ratio with DGLV:



DGLV: 2 vols  
D884 Hardener: 2 vols      *Pot life is 1 - 2 hours @ 68° (20°C)*  
\*Compliant Thinner: 1 vol  
D814: 1 vol

D885 Accelerator / D886 Extender: Add 1oz. per ready-to-spray U.S. quart.  
*See the Product Information Bulletin for DGLV Color (EU-114) for application information.*

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### Mix Ratios with D894:



D894: 2 vols  
D884, D897 or D887 Hardener: 1 vol      *Pot life is 1 - 3 hours @ 68° (20°C)*  
\*Thinner: 1 vol  
D814: 1 vol

Optional) D885: Add ½ - 1oz. per ready-to-spray U.S. quart, to enhance cure.  
*See the Product Information Bulletin for D894 (EU-100) for application information.*

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### Mix Ratio with D8101:



D8101: 2 vols  
D8201 Hardener: 1 vol      *Pot life is 1 - 3 hours @ 68° (20°C)*  
\*Thinner or Compliant Thinner: 1 vol  
D814: 1 vol

*See the Product Information Bulletin for D8101 (EU-121) for application information.*

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### Mix Ratio with D8121:



D8121: 2 vols  
D8210, D8220 or D8230 Hardener: 1 vol      *Pot life is 4 hours @ 68° (20°C)*  
\*Thinner or Compliant Thinner: 1 vol  
D814: 1 vol

*See the Product Information Bulletins for D8121 (EU-141) for application information and compliant thinner selection.*

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### Mix Ratio with D8150:



D8150: 2 vols  
D8210, D8220 or D8230 Hardener: 1 vol      *Pot life is 4 hours @ 68° (20°C)*  
\*Thinner: 1 vol  
D814: 1 vol

*See the Product Information Bulletin for D8150 (EU-139) for application information.*

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### Mix Ratios with D80xx Series 2K Surfacer and Sealers:



D80xx: Ready to spray mix      *Pot life is 1hour @ 68° (20°C)*  
D814: 10% by volume

*See the Product Information Bulletin for 2K A-Chromatic Surfacer (EU-137), 2K Chromatic Sealers (EU138 and EU140), for application information.*

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## APPLICATION GUIDE

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Use the below chart to choose thinner according to the application temperature:

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### Thinner Selection:

	<u>* Thinner Selection</u>	<u>Compliant Thinner Selection:</u>
D870:	Up to 65°F (18°C)	D8764: Up to 65°F (18°C)
D871:	65° – 77°F (18° – 25°C)	D8774: 65° – 77°F (18° – 25°C)
D872:	77° – 95°F (25° – 35°C)	D8767: 77° – 95°F (25° – 35°C)
D873:	95°F (Over 35°C)	
D8700:	May replace up to 25% of recommended thinner levels in very warm conditions.	

**Note:** For exceptionally high conditions of temperature and humidity the use of D8700 Retarder, D873 Very Slow Thinner and/or ½ - 1oz of D886 Extender per ready-to-spray U.S. quart is recommended.

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### Performance Guidelines:

D814 Plasticiser is not needed with Global Refinish BC - Basecoat color.

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### Technical Data:

#### VOC less exempt solvents:

D839 / DG Tint / D884 or D887 / Thinner 4:2:1:1 + 10% D814 (Sealer)	4.65lbs. per U.S. gal (557 gms per litre)
D839 / D802 / Thinner 4:1:½ + 10% D814 (Surfacer)	4.61lbs. per U.S. gal (552 gms per litre)
D825 / DG Tint / D884 or D887 / Thinner 4:2:1:2 + 10% D814 (Sealer)	4.65lbs. per U.S. gal (557 gms per litre)
D825 / DG Tint / D802 / Thinner 3:1:1:½ + 10% D814 (Sealer)	4.64lbs. per U.S. gal (556 gms per litre)
DG / D884 or D887 / Thinner / D814 2:1:1:1	4.61lbs. per U.S. gal (552 gms per litre)
D893 / D884 or D887 / Thinner / D814 2:1:1:1	4.30lbs. per U.S. gal (515 gms per litre)
DGLV / D884 / Compliant Thinner / D814 2:2:1:1	3.32lbs. per U.S. gal (398 gms per litre)
DGLV / D884 / Compliant Thinner / D814 2:2:1:1 w/ 1 oz. D885 per RTS qt.	3.49lbs. per U.S. gal (418 gms per litre)
D894 / D884, D897 or D887 / Thinner / D814 2:1:1:1	3.86lbs. per U.S. gal (462 gms per litre)
D894 / D884, D897 or D887 / Thinner / D814 2:1:1:1 w/ 1 oz. D885 per RTS qt.	3.98lbs. per U.S. gal (477 gms per litre)
D8101 / D8201 / Thinner / D814 2:1:1:1	4.48lbs. per U.S. gal (537 gms per litre)
D8101 / D8201 / Compliant Thinner / D814 2:1:1:1	3.80lbs. per U.S. gal (455 gms per litre)
D8121 / D8210, D8220 or D8230 / Thinner / D814 2:1:1:1	4.02lbs. per U.S. gal (482 gms per litre)
D8121 / D8210, D8220 or D8230 / Compliant Thinner / D814 2:1:1:1	2.99lbs. per U.S. gal (358 gms per litre)
D8150 / D8210, D8220 or D8230 / Thinner / D814 2:1:1:1	4.10lbs. per U.S. gal (491 gms per litre)
D80xx Surfacer / D8291 / Thinner 4:1:1 + 10% D814	4.73lbs. per U.S. gal (567 gms per litre)
D80xx Sealer / D8291 / Thinner 3:1:1 + 10% D814	4.40lbs. per U.S. gal (527 gms per litre)

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## 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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