

D800

CLEAR

PRODUCT DESCRIPTION

Global Refinish System D800 is a premium quality clearcoat specifically formulated to give optimum gloss and durability.

It is designed to be used over Global BC Colour (see Data Sheet EU02).

PREPARATION OF SUBSTRATE

Wash all surfaces to be painted with soap and water. Degrease all surfaces with appropriate Global substrate cleaner (see selection guide below) before wet sanding with European P800-1200 / U.S. 500-600 grade paper or dry sanding with European P600-800 / U.S. 400-500 grade paper.

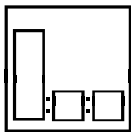
Wash off residues and dry thoroughly before recleaning with appropriate Global substrate cleaner (see selection guide below). The use of a tack rag is recommended.

Apply Global BC Colour over original stoved finishes or over recommended Global Primers. See Data Sheet EU02 for Global BC system application details.

GUIDE TO SELECTION OF SUBSTRATE CLEANER

<i>Code</i>	<i>Product</i>	<i>Purpose</i>
D837	Spirit Wipe	Suitable for removing grease or other contaminants before or during the painting process.
D842	Low VOC Cleaner	Particularly designed to remove contaminants after sanding, and in areas where VOC emissions should be minimized.
D846	Degreasing Agent for Plastics	A fast, effective degreaser specially formulated to avoid adverse effects on plastic substrates.





APPLICATION GUIDE

Mixing Ratio

D800	3 vols
MS Hardener**	1 vol
Thinner**	1 vol*

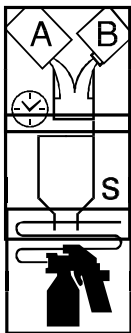
* For higher build use 0.5 vol Thinner

** Choose MS Hardener and Thinner according to application temperature:

Temperature	MS Hardener	Thinner***
Up to 18°C / 65°F	D803 Fast	D870
18 - 25°C / 65 - 77°F	D841 Medium	D871
Over 25°C / 77°F	D861 Slow	D872

***Smaller areas may require a faster thinner in D800 Clear.

For exceptional conditions of temperature and humidity (> 35 °C / 95°F and >70% RH), Very Slow Thinner D873 is recommended.



Potlife

4 hours @ 20°C / 68°F

Spray viscosity

16 - 17 secs ZAHN 2(Signature type) @ 20°C / 68°F

Spraygun set-up

1.5 - 1.7 mm or equivalent

Spray pressure

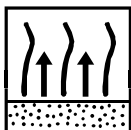
HVLP at air cap

Conventional at spray gun

0.7 bar / 10 PSI
3 - 4 bar / 45 - 55 PSI

Number of coats

2



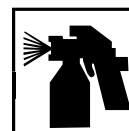
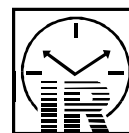
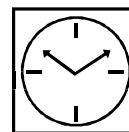
Flash off at 20 °C / 68 °F:

between coats

before stoving

10 minutes
0 - 15 minutes

APPLICATION GUIDE	
Drying times**: dust-free 20°C / 68°F dry to handle through dry: 20°C / 68°F 60°C / 140°F IR medium	30 minutes 4 hours minimum 20 hours 30 minutes* 15 minutes
* Stoving times are for quoted metal temperature. Additional time should be allowed in the stoving schedule to allow metal to reach recommended temperature. **Drying times may be reduced still further by using the Global Accelerated System. See Data Sheet EU65 for application details.	
Total dry film build: minimum maximum	50µm / 2 mils 60µm / 2.5 mils
theoretical coverage***	6.4 - 7.1 m ² per l / 259 - 288 sq.ft. per US gal.
*** Theoretical coverage in m ² /litre and sq.ft./US gal. ready-to-spray (RTS), giving 50 µm (2 mils) dry film thickness	
Percent solids by volume RTS	32.3 - 35.9
Sanding: grade wet grade dry	Must be sanded before recoating to ensure good adhesion European P600 - 800 / U.S. 400 - 500
Overcoat / recoat time	8 hours minimum
Overcoat with	any Global primer or topcoat



PERFORMANCE AND LIMITATIONS

Allow the Global BC Colour to flash off for 15 minutes (but no longer than 24 hours) before applying D800 Clear. The timing will depend on thickness and temperature.

Recoating times will be extended at lower temperatures. Global D800 may be sanded with 1200 grit paper or finer and polished when hard, to rectify minor imperfections.

FADING OUT - D800 CLEAR

After spot repairing, clean the gun and then spray Global Blending Thinner D853 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 centre.

PROPERTIES

VOC

(D800)

563 gms per litre / 4.7 lbs per US gal.

(D800:D861:D872, 3:1:1)

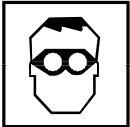
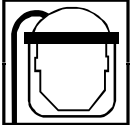
599 gms per litre / 5.0 lbs per US gal.

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.

Emergency Medical or Spill Control Information (304) 843-1300; 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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