GLOBAL REFINISH SYSTEM

Product Information

D8080 UV Cured Primer Surfacer

Product Description

D8080 UV Cured Primer Surfacer is a unique, UV cured undercoat that is recommended for small spot repairs. It is the first of it's kind in the world.

D8080 is easy to apply, easy to sand and supplied in an aerosol can. The UV Primer Surfacer only requires a 2 minute cure with a PPG approved UV lamp, before sanding.

Preparation of Substrate







Wash all surfaces to be painted with soap and water. Degrease all surfaces with appropriate Global substrate cleaner (See EU-134 Global Cleaners bulletin for selection and usage instructions).

Original Paintwork and Electrodeposition Primer should be sanded using U.S. 240 / European P280 grit discs (dry) or U.S. 320 / European P360 grade paper (wet).

Galvanized, Bare Steel and Aluminum must be clean, rust-free and abraded thoroughly using U.S. 180 / European P180 to U.S. 240 / European P280 grit paper before application.

Polyester Body Fillers should be dry sanded using U.S. 240 / European P280 grit paper.

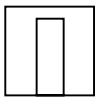
Fiber Glass and SMC should be dry sanded using U.S. 360 / European P400 grit paper.

Plastic should be dry sanded with U.S. 400 / European P600 (use a finer grit for softer plastics). D8080 can be applied directly over most plastics except PE and polystyrene after proper cleaning and sanding, without the use of a plastic prime such as D820.

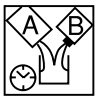
Wash off residue and dry thoroughly before re-cleaning with appropriate Global substrate cleaner. The use of a tack rag is recommended

APPLICATION GUIDE:

Mix Ratio:



Product is aerosol, no mixing is needed. Simply shake the can vigorously for 2 minutes after dislodging the ball bearing.



Potlife Unlimited

Number of coats:



Apply 4 – 5 continuous passes

D8080 contains optical brighteners and will glow when exposed to the UV lamp for curing.

Drying times @ 68°F / 20°C:



UV Cure

Apply light from UV curing lamp for 2 minutes at a distance of 8 – 10 inches from D8080. After 2 minute UV cure, the entire surface should be well cleaned with D8400 ZV Cleaner to remove any uncured surface residue and overspray before sanding.



Dust-free
Dry to Sand
To Tape

After a 2 minute UV cure and a final solvent wipe with D8400 ZV Cleaner

UV (Ultraviolet)

UV Lamp Information & Cautions:

- All primer must be fully illuminated by the UV lamp for 2 minutes.
  * Material will not cure unless it is directly exposed to an approved UV light source.
- Refer to UV lamp manufacturers instructions, as not all UV lamps operate the same.
- Final solvent wipe with D8400 ZV Cleanerœ
- A 2-minute cure time at an 8 – 10 inch distance will cure an area the size of an 8.5 X 11 sheet of paper. Reducing the lamp to panel distance will decrease the area exposed to UV light and thus restrict the size of the area is cured.
- At greater distances, cure time will be significantly extended.
- Do not expose eyes or skin to direct UV light. Use UV safety glasses, available from the lamp manufacturer.
- UV lamps get very hot and should be kept away from solvent fumes. Be careful to avoid burns to skin.
- If the filter glass is damaged in any way or not securely in place - DO NOT USE,

In the event that all of the repair area cannot be exposed to UV light with the lamp 8 – 10 inches from the vehicle, the following steps should be taken:

1. Partially cure the whole repair area by moving the lamp around the repair, ensuring that all of the applied D8080 film has been exposed to UV light for at least 30 seconds.
2. Fully cure the repair area in sections for 2 minutes at a time.
3. Clean and sand as recommended earlier in this data sheet.

APPLICATION GUIDE

Overcoat/Recoat:



Dry to Topcoat Immediately after sanding. After 72 hours, D8080 must be re-scuffed before applying topcoat.



Grade wet U.S. 400 – 500 / European P600 –P800

Grade dry U.S. 320 – 400/ European P360 – P600



Overcoat with Any compatible topcoat or a compatible 2K surfacer or sealer before topcoat application.

Performance Guidelines

Do not apply this product to hiding. This product is pigmented solely to show the painter where the paint has been applied, so that the entire area is cured by the UV lamp. If this product is applied to hiding, the product won't cure properly, and will result in adhesion failures.

Do not attempt spot repairs on original or refinish thermoplastic applications, lacquer or 1K finishes. Ensure that the surface is thoroughly sanded to the panels' edge, or to a distance several centimeters beyond the damaged area, whichever is the smaller.

Compatibility

D8080 UV Cured Primer Surfacer can be topcoated with:

D825 2K Tintable Primer / Sealer

D839 2K Primer / Sealer

2K Chromatic Sealer

Global DG Direct Gloss Color

Global BC Basecoat Color

DGLV Direct Gloss Low VOC Color

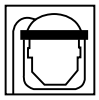
Technical Data:

Total dry film build	
Minimum after sanding	2.0 mils
Maximum after sanding	6.0 mils
Theoretical coverage	31.52 sq.ft. per 10.1 fl.oz. can

Theoretical coverage in sq.ft./US gal. Ready-to-spray (RTS), giving 1 mil dry film thickness.

Percent solids by volume RTS	25.2
VOC	
D8080 (less exempt)	3.67 lbs. per US gal.

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.

Can Disposal:

When material in can is spent, turn can upside down and depress the nozzle until all propellant is exhausted. Place empty can or cans that are no longer to be used into properly labeled metal containers. The waste containers should be managed as a hazardous waste pursuant to local, state and federal regulations.

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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PPG Industries
19699 Progress Drive
Strongsville, OH 44149

PPG Canada Inc.
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5

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