



February 2020

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# Product Information.



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**D8080**

*D8080 – UV Cured Primer Surfacer*

## PRODUCT DESCRIPTION

**D8080 UV Cured Primer Surfacer** is a unique UV cured build primer suitable for application over repaired areas. Primer process times using D8080 are extremely rapid, with easy application from ready-to-spray aerosol packaging giving very fast cure time using market available UV lamps.

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## PREPARATION OF SUBSTRATE

### *Degreasing*



Ensure all substrates are thoroughly cleaned and dried before and after each stage of the preparation work. Always wipe substrate cleaner off the panel surface immediately, using a clean, dry cloth.

Use an appropriate substrate cleaner/degreaser. PPG make a range of cleaning & degreasing products. See Technical Datasheet **Deltron Cleaners RLD63V** for cleaners & degreasers.

## PREPARATION OF SUBSTRATE continued

### *Priming and Sanding*



Ensure the surface to be repaired is thoroughly sanded either to the panel edge or to a distance several centimetres beyond the area to be primed. **Do not** pre-prime with 1K primers or wash etch primers such as D831 Universel.



**Original Paintwork or OE Electrocoat** should be sanded using minimum P320 grit discs Preparation using just a Scotchbrite pad will not ensure adequate surface adhesion.

**Bare Steel and Aluminium** must be clean, rust-free and abraded thoroughly using P180 grade paper before application.

**Galvanized Steel** must be thoroughly abraded.

**Polyester Body Fillers** should be dry sanded and finished using P180 grade paper.

**Fibreglass and GRP / SMC** should be dry sanded using P320 grade paper.

Proper preparation of **plastic substrates** is essential. Clean with PPG plastic Cleaner D8434. Dry sand rigid plastics with P320 grade paper, Do not use D8080 directly over PE or polystyrene.

Do not apply plastic primer

Wash off residues and dry thoroughly before re-cleaning with the appropriate PPG substrate cleaner.

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## MIXING RATIOS

The product is packaged in an aerosol, no mixing is needed. Simply shake the can to dislodge the internal metal ball, then shake vigorously for a further 2 minutes.

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## APPLICATION AND DRYING



*Number of coats:*

Apply between 3 - 6 continuous coats' to achieve the maximum recommended film thickness of 120 microns

Spraying distance: 15 - 20cm  
D8080 contains fluorescent dyes and will glow when exposed to the UV lamp for curing.

Use a suitable application technique to achieve a graduated film thickness across the repair area and a feather edge.

*Total dry film build/coat:*

Minimum after sanding 50 µm  
Maximum after sanding 120 µm



## APPLICATION AND DRYING continued



Drying times at 20°:

- UV cure

Direct light from a UV curing lamp on to the repair area.

Extremely fast cure using UV LED lamp.

Ready to sand in 30seconds. Using a UV LED 395Nm wave length 400w lamp

Continuous application process.

No need to cure between coats unlike other UV primers.

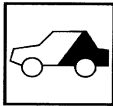
Please refer to the manufactures UV lamp guide on power options as drying times with different equipment will be affected.

- Dry to sand

Immediately after curing, where required clean with D837 Degreaser to remove any uncured surface residue and overspray before sanding.

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## REPAIR AND RECOATING



Dry to topcoat:

Immediately after sanding.

After 72 hours, D8080 must be re-sanded before topcoating.



Sanding:

- Grade dry

P320 / P500 / P800



Overcoat with:

Deltron UHS Direct Gloss topcoat

Envirobase Basecoat Colour

Compatible 2K surfacer or sealer

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## PERFORMANCE AND LIMITATIONS



- The entire surface area of the primer must be fully illuminated by the UV lamp for specified time. Material **will not** cure unless it is **directly** exposed at a 90° angle to an approved UV light source at a distance of 15 - 20cm.\*
- Refer to UV lamp manufacturer's instructions, as not all UV lamps operate in the same way or have the same power output or wavelength (Nm)
- 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.**
- **Do not use the UV lamp** if the filter glass is damaged in any way or not securely in place
- \* When the repair area is not a flat, even surface it will not be possible to do the



repair in one go. The following steps should be taken:

1. Fully cure all areas of the repair area section by section. It is **not** a problem to over-expose an area to the UV light.
2. Clean and sand as recommended above.

Pot Life at 20°C - Unlimited.

**Do not** apply this product to obtain coverage. 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 hide, the product will not cure properly, adhesion failure will occur.

**Do not** attempt to repair any thermoplastic finishes, or 1K primers or topcoats.

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## CAN DISPOSAL

When aerosol is empty, turn it upside down and press the nozzle until all propellant is exhausted. Place empty can or cans that will no longer be used into properly labeled metal containers. The waste containers should be managed as a hazardous waste according to legislation.

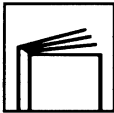
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## VOC INFORMATION

The EU limit value for this product (product category: IIB.e) in ready to use form is max.840g/litre of VOC. The VOC content of this product in ready to use form is max. 840g/litre.

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## HEALTH AND SAFETY



**These products are for professional use only**, and are not to be used for purposes other than those specified. The information on this TDS is based on present scientific and technical knowledge, and it is the responsibility of the user to take all necessary steps in order to ensure the suitability of the product for the intended purpose. For Health and Safety information please refer to the material Safety Data Sheet, also available at: [http://www.ppg.com/PPG MSDS](http://www.ppg.com/PPG_MSDS)

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