

Product Data Sheet

February 2020



INTERNATIONAL MASTER
FOR PROFESSIONAL USE ONLY

H5000V

UV-Speed Prime P110-5000

<i>Product</i>	<i>Description</i>
P110-5000	UV-Speed Prime

Product Description

UV-SpeedPrime offers a route to achieving an extremely fast application and curing of high quality repairs with good film build and easy sanding and preparation.

UV-SpeedPrime can be used under **Nexa Autocolor** Aquabase Plus and 2K topcoat systems.

The rapid cure obtained through **Nexa Autocolor**'s unique technology using UV light provides faster processing of repairs than conventionally cured products. The 1-pack RFU Aerosol system also eliminates the need for gun cleaning and paint mixing.

Curing

- For optimum results use a 400w UV LED lamp with 395Nm wave length.
- Direct light from the UV curing lamp on to the repair area.
- Extremely fast cure using UV LED lamp, ready to sand in 30 seconds.
- 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.






Preparation

Thorough preparation and cleaning are essential for successful refinishing, UV-SpeedPrime should only be applied to areas that have been well prepared with P320 paper or coarser. See the *Process recommendations* section of this datasheet for more details.

UV-SpeedPrime may be applied directly to well prepped steel, aluminium, galvanised steel, GRP, **Nexa Autocolor** polyester fillers, works primer and original finishes in sound condition. It may also be applied to all rigid and semi-rigid plastics apart from PE and Polystyrene.



PROCESS

	<p>Supplied ready for use Shake aerosol for at least 2 minutes after freeing ball bearings. Invert can and spray to clear the nozzle after use</p>
	<p>Spraying distance: 15-20 cm</p>
	<p>Use a suitable application technique to achieve a graduated film thickness across the repair area and featheredge. See Process recommendations for more details.</p> <p>Apply between 3 - 6 continuous coats, to achieve the maximum recommended film thickness of 120 microns.</p>
	<p>Refer to lamp manufacturer guidelines. For optimum result use an LED UV lamp – 400w and 395Nm wavelength</p>
	<p>Where required using P850-1402 thoroughly clean the repair area to remove uncured surface residue and overspray.</p> <p>The entire area should be well cleaned and wiped dry before sanding. Note: Separate cloths should be used for application and removal of P850-1402</p>
	<p><u>Dry sanding</u></p> <p>P320 finishing with P500 : Solid Colour / Basecoats</p>

PROCESS

TOPCOAT	<p>P110-5000 can be overcoated with Nexa Autocolor 2K topcoat systems</p> <p>Some colours may require the use of a Spectral Grey Undercoat. Check Paint management for recommendations. Where a Spectral Grey is recommended, use – WB created SG or P565-908X over UV-SpeedPrime as appropriate.</p>
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PROCESS RECOMMENDATIONS

1. Restrictions of use.

Do not use P110-5000 over etch primers such as P565-597, -713, -9850, -908, -909, -9081, -9086 -9087.

P110-5000 is suitable for use directly over most plastics; however, P110-5000 should not be applied to polystyrene, polyethylene or highly flexible plastics.

2. Surface preparation.

The surface to be painted should be in sound condition and free from dirt or grease. As with any repair, all of the previous paint finish should be removed from the repair area. If required, polyester stopper should then be applied directly to bare metal and sanded to the desired shape. The entire area to be painted with P110-5000 must be prepared by machine sanding with P320 paper or coarser to provide a suitable key for UV-SpeedPrime. In difficult to reach areas such as styling lines, hand preparation with soft-backed P800 paper or coarser is advised. The use of other abrasive media such as scotch-pads is not recommended as these produce an insufficient key, which in turn may result in localised adhesion failure of the paint system.

3. Application.

For best results, use of an application technique that produces higher film builds over the central repair area and lower builds over peripheral areas, such as an “out-to-in” technique, is advised.

The “out-to-in” technique requires that the entire area to be painted is covered by the initial application of paint. The area of subsequent applications is reduced until the final application, which is applied only to the centre of the repair.

4. UV Curing.

Always refer to the manufacturer’s instructions and health and safety advice prior to handling UV equipment.

UV-SpeedPrime is cured by a high performance UV light source, for optimum results 400w LED at 395Nm wavelength

UV-SpeedPrime contains an optically active agent that fluoresces in the presence of UV light. All of the applied paint film should “glow” under the UV lamp, indicating that it is exposed to UV light.

When repairing areas of styling lines, care must be taken that all of the applied UV-SpeedPrime is illuminated. It may be necessary to alter the angle and / or position of the lamp to fully illuminate the paint film within the styling line.

Failure to fully cure UV-SpeedPrime may result in adhesion failure of the paint system and / or a colour change in the topcoat over the repair area.

5. Precautions.

- Refer to the **Nexa Autocolor** material safety data sheet for P110-5000 before use
- Always use UV-SpeedPrime in a well-ventilated, enclosed area
- Always wear air-fed breathing apparatus when Spraying P110-5000.
- Always wear nitrile gloves when spraying and wiping P110-5000.
- Never look directly into the or deliberately expose skin to the UV lamp
- Do not use the UV lamp if the filter glass is cracked, damaged or unsecured in any way.
- Wear UV protective glasses when using the UV lamp.



VOC INFORMATION

For P110-5000

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

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/Autocolor_MSDS

For further information please contact:

Customer Service Sales Group
PPG Industries (UK) Ltd
Needham Road
Stowmarket
Suffolk IP14 2AD

Tel: 01449 771771

Fax: 01449 773472

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Innovating Repair Solutions