Technical Data Sheet

SPP3007 – UV PRIMER

T020V_SPP3007 UV Primer	January 2024

SPP3007 UV-Cured Primer Surfacer is designed to quickly and professionally repair small to medium repairs with the ease and efficiency of UV processing that can be over coated with many of PPG refinish topcoats or systems.

SPP3007, UV-Cured Primer Surfacer is easy to spray and uses technology that allows you to sand the primer surfacer just two minutes after application.

Features & Benefits

- Ideal for rapid repair process
- High Build
- Max 2-minute cure
- Ready-to-use
- Maximum productivity
- Labor savings
- Increased vehicle throughput

Compatible Surfaces

- Properly cleaned and sanded steel, aluminum, fiberglass and galvanized steel.
- Cured and sanded OEM finishes (except lacquer or 1K finishes)
- Cured and sanded refinish topcoat systems.
- Polyester Body Fillers
- All properly prepared rigid and semi-rigid plastic except PE and Polystyrene

Compatible Products

- ENVIROBASE® High Performance Waterborne Basecoat Systems
- AQUABASE® Plus Waterborne Basecoat Systems
- DELTRON® Basecoat Systems
- NEXA AUTOCOLOR® 2K® P420/P421/P422 Color Systems
- GLOBAL REFINISH SYSTEM® (BC) Basecoat Color Systems
- *Deltron* Undercoats/Primers
- *Nexa Autocolor 2K* Undercoats
- *Global Refinish System* Undercoats
- *Max Meyer*

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Directions for Use:

Surface Preparation:

- Wash all surfaces to be painted with soap and water, then apply the appropriate substrate cleaner. Ensure that the substrate is thoroughly cleaned and dried both before and after application work.
- Finish sanded bare metal areas with 180 grit abrasive.
- Do not apply epoxy or etch primer before UV priming.
- Sand old finishes with 320-400 grit dry by hand or machine or 600 grit wet.
- Wash off residue and dry thoroughly before re-cleaning with an appropriate systems substrate cleaner. The use of a tack rag is recommended.
- Prime aluminum and stainless substrate within 8 hours.
- Prime carbon steel immediately after sanding and cleaning.
- Adhesion promoter must be applied to bare plastic before priming with SPP3007. *See RLD165V Plastic Adhesion Promoters TDS for additional information.*

Mixing:

SPP3007 is ready to spray.

Note: Mechanically agitate. Do not utilize a mixing lid or place on a mixing bank. Utilizing a black/opaque pvc spray cup will lengthens the life of the UV paint in the cup.

Application Procedure:

Apply:	2 wet coats
Dry film Build:	50-60 micron per coat

Note: UV Primer is transparent with some effect pigmentation to visually assist with application. DO NOT attempt to spray to hiding and DO NOT exceed more that 2 coats of UV primer. Do not apply in direct sunlight. Excessive film builds will require additional UV light exposure.

Air Pressure and Gun Setup:

HVLP:	2 bar (0.7 bar at the air cap)
Compliant:	2 bar at the gun
Fluid Tip:	1.0 - 1.2 mm or equivalent

Note: For best results, we recommend a mini-gun with a 1.0 -1.2 fluid tip. For best overall results, refer to spray gun manufacturer's recommendations for UV tip size and inlet air pressures.

Flash Time:

Between Coats: ***Optional*** - 30 seconds between coats, but NO flash before curing.

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Cure Process:

Use Personal Protective Equipment (PPE) to prevent UV radiation damage

- UV Protective Safety Glasses
- Nitrile 0.15 mm Gloves

<u>Immediately after final coat:</u>

Cure 2 minutes: Hold UV-A LED Light 10-20cm away from panel. Continuously move over entire repair area when repair area is larger than 15cm around. Drying time will pend on equipment and film build.

UV Primer must be cured with UV LED Light 395nm or other UV Lamps with the same UVA wavelength (395 nm). UV curing only occurs with direct exposure, be sure to keep UV light source perpendicular to all panels surfaces for the required amount of time.

Always follow manufacturer's instructions and safety precautions for the proper use of UV emitting equipment.

Always protect your eyes from direct exposure to UV light radiation. Protective Safety Glasses are needed to protect your eyes from reflective UV radiation. To avoid incidental UV radiation exposure to other people, always use UV emitting equipment behind shielded curtains.

UV primer can be cured by direct sunlight. Exposure time is directly dependent on UV intensity (average time is 10-30 mins.). Primer cannot be cured in the rain or inclement weather.

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Directions for Use:		
Dry to Sand:		Immediately after curing. Repair is ready to sand.
Performance Guidelines:		Wear full UV protection equipment to prevent UV radiation damage to yourself and use UV light emitting equipment behind shields to prevent exposure to others. UV Primer is designed to be transparent. A transparent film allows UV light to easily penetrate the film and ensures a more thoroughly cured film. The effect pigmentation is only intended to visually assist during application. UV Primer cannot be used on original or refinish thermoplastic coatings, specifically lacquer or 1K finishes. Bare plastic requires an adhesion promoter prior to applying SPP3007 UV primer Ensure the repair area is thoroughly prepped and sanded per normal procedures.
Health and Safety:	  	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 SDS/MSDS's of all the components, since the mixture will have the hazards of all of 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 SDS/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 SDS/MSDS. Always observe all applicable precautions and follow good safety and hygiene practices.
Equipment Cleaning:		Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any PPG general purpose solvent, lacquer thinner.

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Technical Data:	
RTU:	**SPP3007**
Volume Ratio	Ready-to-spray as packaged
Applicable Use Category	Primer Surfacer
VOC Actual (g/L)	1
VOC Actual (lbs./gal.)	0.01
VOC Regulatory (less water less exempt) (g/L)	1
VOC Regulatory (less water less exempt) (lbs./gal.)	0.01
Solids by weight	76.0
Solids by volume	64.2
Sq. Ft. Coverage Litre. 50 micron at 100% transfer efficiency	515

See Safety Data Sheet and Labels for additional safety information and handling instructions.

Important: The contents of this package must 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 of all components since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

PPG Industries (UK) Limited.
Auto Refinish
Customer Service and Sales Group,
Needham Road,
Stowmarket,
Suffolk.
IP14 2AD,
England.
Tel: 01449 771775
Fax: 01449 773480

www.ppgrefinish.com

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