



PDS N4.15C

November 2021

AQUABASE PLUS® P950-5505 Waterborne Primer-Surfacer Grey

PRODUCT DESCRIPTION

P950-5505 Waterborne Primer-Surfacer is a grey primer-surfacer based on 1K waterborne technology for spot and panel repair which has been optimized for use with AQUABASE® Plus waterborne basecoat.

P950-5505 can be applied direct to metal without the need for a pretreatment or etch primer and delivers an alternative to traditional urethane primer-surfacers for collision centers that wish to be on the cutting edge of the latest refinish technology as well as reducing VOC emissions. The simple application along with the air dry speed of P950-5505 Waterborne Primer-Surfacer allows sanding in as little as thirty minutes producing a high speed, quality repair.

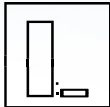
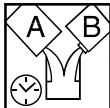


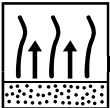
- *Fast dry = reduced process time*
- *Excellent holdout = less rework*

Products	
P950-5505	Waterborne Primer-Surfacer - Grey
P980-5000	Thinner

THESE PRODUCTS ARE FOR PROFESSIONAL USE ONLY

Waterborne Primer-Surfacer

PROCESS

<div>MIX RATIO</div> <div></div>	<div><div>P950-5505WB Primer Surfacers</div><div>P980-5000Thinner</div><div>1 Part10% by weight (13% by volume)</div></div> <div>P950-5505 Waterborne Primer-Surfacer should be thoroughly hand shaken prior to use. Note: P935-1250 Adjuster, P935-1255 Modifier, and P980-5085 High Temp / Low Humidity Thinner are not recommended for use with P950-5505.</div> <div>Cumulative Mix by Weight in Parts (Grams) for P950-5505 Waterborne Primer-Surfacer</div> <table><tr><th>Product</th><th>4 oz. / 1/4 Pt.</th><th>8 oz. / 1/2 Pt.</th><th>16 oz. / 1 Pt.</th><th>32 oz. / 1 Qt.</th><th>64 oz. / 2 Qt.</th></tr><tr><td>P950-5505</td><td>154.5 (137.0)</td><td>309.0 (274.0)</td><td>618.0 (548.0)</td><td>1235.9 (1095.9)</td><td>2471.8 (2191.8)</td></tr><tr><td>P980-5000</td><td>170.0 (150.7)</td><td>340.0 (301.4)</td><td>679.9 (602.9)</td><td>1359.7 (1205.7)</td><td>2719.5 (2411.4)</td></tr></table> <div>Note: P950-5505 reduced with P980-5000 Thinner at 10-% by weight or 13% by volume. Reduction accuracy is important, therefore it is recommended to reduce by weight using a mixing scale. Reducing by weight is not the same as reducing by volume. See mix table above or refer to PAINTMANAGER® for additional mixing volumes.</div>	Product	4 oz. / 1/4 Pt.	8 oz. / 1/2 Pt.	16 oz. / 1 Pt.	32 oz. / 1 Qt.	64 oz. / 2 Qt.	P950-5505	154.5 (137.0)	309.0 (274.0)	618.0 (548.0)	1235.9 (1095.9)	2471.8 (2191.8)	P980-5000	170.0 (150.7)	340.0 (301.4)	679.9 (602.9)	1359.7 (1205.7)	2719.5 (2411.4)
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<div>POTLIFE</div> <div></div>	<div>Pot Life:</div> <div>24 hours at 70°F (21°C)</div>																		
<div>SPRAYGUN & AIR PRESSURE</div> <div></div>	<div>Fluid Tip:</div> <div>1.6 - 1.9 mm</div> <div>HVLP:</div> <div>10 PSI cap pressure</div> <div>Compliant:</div> <div>25 - 35 PSI at the gun*</div> <div>For best overall results, refer to the spray gun manufacturer's recommendation for optimum inlet air pressures</div>																		
<div>APPLICATION</div> <div></div>	<div>Spray Application:</div> <div>3 - 5 wet coats</div> <div>Dry film build per coat:</div> <div>0.8 - 1.0 mils per coat</div> <div>Rollable Application:</div> <div>3 - 5 wet coats</div> <div>Dry film build per coat:</div> <div>0.8 - 1.0 mils per coat</div> <div>When roll priming P950-5505 Waterborne Primer-Surfacer, reverse priming with a foam roller is recommended for the smoothest application. Adjusting the thinner levels may be required to achieve best application. Just as with spraying, drying between coats is required when rolling. This application may require additional coats to maintain minimal film build after sanding.</div> <div>Note: For optimal performance for either spray or roll application, the minimum dry film build must be 2.5 mils or more after sanding. For film builds less than 2.5 mils, Etch Primer must be used.</div>																		
<div>FLASH TIME</div> <div></div>	<div>Between coats:</div> <div>3 - 5 minutes</div> <div>Using air drying equipment or until dried to a matte finish.</div>																		

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Waterborne Primer-Surfacer

PROCESS

DRY TIMES



Dry to Handle: at 70°F (21°C)
Immediately after flash off once the surface becomes uniformly matte in appearance.

Dry to Sand: at 70°F (21°C)
Approximately 30 minutes after flash off of the final coat. High humidity and low temperature may adversely affect dry times.

Infrared: Not to exceed 100°F (38°C) metal temperature

Note: After sanding, P950-5505 may be top coated. If the sanded primer has been allowed to stand for more than 24 hours, it must be cleaned, lightly scuff sanded, re-cleaned prior to top coating.

GENERAL PROCESS NOTES

SUBSTRATES

P950-5505 Waterborne Primer-Surfacer can be applied over:

Wash the area to be painted with soap and water then clean with an appropriate cleaner such as P850-1402, ONECHOICE® SXA330 ACRYLI-CLEAN® or SWX350 H2O-SO-CLEAN®.

Sand bare metal areas completely with 180 - 220 grit abrasive and clean. Sand old finishes with 220 - 320 grit dry by hand or machine.

Glass reinforced plastic (GRP), fiberglass and body filler 180 - 220 grit abrasives and clean

Aluminum substrates must be primed within 8 hours of sanding and cleaning.

P950-5505 may be applied to properly prepared and cleaned bare metal.

For bare plastics, an appropriate NEXA AUTOCOLOR® or *OneChoice* plastic adhesion promoter must be applied prior to the application of P950-5505.

COMPATIBLE TOPCOATS

P565-312X HS Plus Wet-on-Wet Sealer

P565-314x HS Plus Wet-on-Wet Sealer LV

Aquabase Plus Waterborne Basecoat

Nexa Autocolor 2K® Basecoat*

* When topcoating Waterborne Primer Surfacer with 2K basecoat, an appropriate 2K sealer must first be applied.

STORAGE AND HANDLING

Waterborne Primer-Surfacer should be stored in a cool, dry place away from sources of heat. During storage and transportation, temperature must be maintained at a minimum of 41°F (5°C) and a maximum of 120°F (49°C). Avoid exposure to frost or freezing conditions.

EQUIPMENT CLEANING

Approved *Nexa Autocolor* or PPG Cleaning Solvent

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REGULATORY NOTES

RTS Combinations	P950-5505 : P980-5000
Volume Ratio	1 : +10%
Applicable Use Category	Primer
VOC Actual (g/L)	36.0
VOC Actual (lbs/Gal)	0.30
VOC Regulatory (g/L) (less water, less exempts)	86.0
VOC Regulatory (lbs/Gal) (less water, less exempts)	0.72
Density (g/L)	1283
Density (lbs/Gal)	10.71
Volatiles wt. %	48.7
Water wt. %	45.9
Exempt wt. %	0.0
Water vol. %	59.1
Exempt vol. %	0.0
Solids vol. %	36.05
Solids wt. %	49.68
Sq. Ft. Coverage / US Gal. 1 mil at 100% transfer efficiency	578

VOC COMPLIANCE

To ensure accurate mixing, best performance & VOC compliance:

- Do not add extra hardener, thinner or change the recommended mixing ratio.
- Do not use hardeners or thinners that are not specific in this process summary.

HEALTH AND SAFETY

See 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 SDSs 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 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.
- Always observe all applicable precautions and follow good safety and hygiene practices.

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 public. Products mentioned may be hazardous and should only be used according to direction, while observing precautions and warning statement listed on label. Statement 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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