P950-5505  Waterborne Primer-Surfacer-Grey

PRODUCT DESCRIPTION

P950-5505  Waterborne Primer-Surfacer is a grey primer-surfacer based on the latest 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
- Meets VOC compliance
WATERBORNE PRIMER-SURFACER

PRODUCTS

P950-5505  Waterborne Primer-Surfacer - Grey
P980-5000  Aquabase Plus Thinner

THESE PRODUCTS ARE FOR THE PROFESSIONAL PAINTING OF AUTOMOTIVE VEHICLES ONLY
**PROCESS**

**WATERBORNE PRIMER-SURFACER**

<table>
<thead>
<tr>
<th>Product</th>
<th>4 oz. / ¼ Pint</th>
<th>8 oz. / ½ Pint</th>
<th>16 oz. / 1 Pint</th>
<th>32 oz. / 1 Quart</th>
<th>64 oz. / 2 Quart</th>
</tr>
</thead>
<tbody>
<tr>
<td>P950-5505</td>
<td><strong>154.5</strong> (137.0)</td>
<td><strong>309.0</strong> (274.0)</td>
<td><strong>618.0</strong> (548.0)</td>
<td><strong>1359.7</strong> (1205.7)</td>
<td><strong>2719.5</strong> (2411.4)</td>
</tr>
<tr>
<td>P980-5000</td>
<td><strong>170.0</strong> (150.7)</td>
<td><strong>340.0</strong> (301.4)</td>
<td><strong>679.9</strong> (602.9)</td>
<td><strong>1359.7</strong> (1205.7)</td>
<td><strong>2719.5</strong> (2411.4)</td>
</tr>
</tbody>
</table>

**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.

**POTLIFE**

**Pot Life:** 24 hours at 70°F (21°C)

**SPRAYGUN & AIR PRESSURE**

**Fluid Tip:** 1.6 - 1.9mm

**HVLP:** Max. 10 psi cap press.

**Compliant:** 25 – 35 psi at the gun

**Note:** For best overall results, refer to spray gun manufacturer’s recommendations for optimum inlet pressure.

**APPLICATION**

**Apply:** 3 - 5 wet coats

**Film Build:** 0.8 - 1.0 mils per coat

**Apply:** 3 - 5 coats

**Film Build:** 0.8 - 1.0 mils per coat

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.

**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, P565-9880 Etch Primer must be used.

**FLASH TIME**

Using air drying equipment, 3 - 5 minutes between coats or until dried to a matte finish.
WATERBORNE PRIMER-SURFACER

**SUBSTRATES**

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

Wash the area to be painted with soap and water then clean with appropriate cleaner such as P850-1402, SXA330 or SWX350.

Sand the bare metal areas completely with 180-320 grit abrasive and clean. Sand old finishes with 320-400 grit dry by hand or machine.

Glass reinforced plastic (GRP), fiberglass and body filler 180 - 320 grit abrasives and clean.

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

Carbon steel, Galvanized and Galvaneal must be primed immediately after sanding and cleaning.

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

For bare plastics, an appropriate NEXA AUTOCOLOR® plastic adhesion promoter must be applied prior to the application of P950-5505. When Using the Plastic Preparation System, **Do Not** use the P273-1060 Anti-Static Wipe for plastics prior to applying P572-4000 or P572-4001 Adhesion primer for plastics.

**COMPATIBLE TOPCOATS**

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

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

Aquabase Plus Waterborne Basecoat

2K® Basecoat*

*Note: When top coating Waterborne Primer Surfacer with 2K basecoat, an appropriate 2K sealer must first be applied.

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**DRY TIMES**

<table>
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<tr>
<th></th>
<th>Dry To Handle</th>
<th>Dry to Sand</th>
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</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>68°F /20°C</td>
<td>68°F /20°C</td>
</tr>
</tbody>
</table>

Immediately after flash off once the surface becomes Uniformly matte in appearance. Approximately 30 minutes after flash off of the final coat. High humidity and low temperature may adversely affect dry times.

**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.

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

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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 or +5°C and a maximum of 120°F or 49°C. Avoid exposure to frost or freezing conditions.

EQUIPMENT CLEANING

Unused material may be stored in an approved sealed plastic container for up to 24 hrs. All spray equipment should be cleaned after each use with SWX100 waterborne gun wash.

PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>RTS Combinations:</th>
<th>P950-5505 : P980-5000</th>
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</thead>
<tbody>
<tr>
<td>Volume Ratio:</td>
<td>1 : 10%</td>
</tr>
<tr>
<td>Applicable Use Category</td>
<td>Primer</td>
</tr>
<tr>
<td>VOC Actual (g/L)</td>
<td>36</td>
</tr>
<tr>
<td>VOC Actual (lbs./gal)</td>
<td>0.30</td>
</tr>
<tr>
<td>VOC Regulatory (less water less exempt) (g/L)</td>
<td>86</td>
</tr>
<tr>
<td>VOC Regulatory(less water less exempt) (lbs./gal)</td>
<td>0.72</td>
</tr>
<tr>
<td>Density (g/L)</td>
<td>1283</td>
</tr>
<tr>
<td>Density (lbs./gal)</td>
<td>10.71</td>
</tr>
<tr>
<td>Volatiles wt. %</td>
<td>48.7</td>
</tr>
<tr>
<td>Water wt. %</td>
<td>45.9</td>
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<tr>
<td>Exempt wt. %</td>
<td>0.0</td>
</tr>
<tr>
<td>Water vol. %</td>
<td>59.1</td>
</tr>
<tr>
<td>Exempt vol. %</td>
<td>0.0</td>
</tr>
<tr>
<td>RTS Solids vol. %</td>
<td>36.05</td>
</tr>
<tr>
<td>Sq. Ft. Coverage @ 1 mil. @ 100% transfer efficiency</td>
<td>578</td>
</tr>
</tbody>
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