

PDS N5.9.6C

August 2014

A background image showing a technician in a white protective suit and mask using a spray gun to paint a car. The car is partially visible, showing the front end and a wheel.

P190-6930 PERFORMANCE CLEARCOAT

PRODUCT DESCRIPTION

P190-6930 Performance Clearcoat designed specifically for use with AQUABASE® Plus Waterborne Basecoat. This clearcoat reduces cycle times while maintaining the quality and appearance required by high production shops.

From an environmental standpoint, the low 2.1 VOC of P190-6930 along with the high solids resin also decreases clearcoat material usage and therefore greatly reduces the overall VOC emissions and is compliant in all refinish markets.

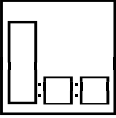
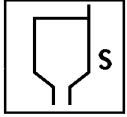


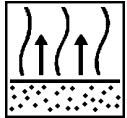

PERFORMANCE CLEARCOAT

PRODUCTS

<i>P190-6930</i>	<i>PERFORMANCE CLEARCOAT</i>
<i>P210-6975</i>	<i>MID TEMPERATURE HARDENER</i>
<i>P850-6910</i>	<i>LOW TEMPERATURE THINNER</i>
<i>P850-6911</i>	<i>MID TEMPERATURE THINNER</i>
<i>P850-6912</i>	<i>HIGH TEMPERATURE THINNER</i>
<i>P850-6913</i>	<i>EXTREME TEMPERATURE THINNER</i>

THESE PRODUCTS ARE FOR THE PROFESSIONAL PAINTING OF AUTOMOTIVE VEHICLES ONLY

PROCESS

PERFORMANCE CLEARCOAT									
MIX RATIO 	<p>Clearcoat P190-6930 3 parts</p> <p>Hardener P210-6975 1 part</p> <p>Thinner P850-691x 1 part</p>								
VISCOSITY & POT LIFE 	<p>16 seconds DIN 4 @ 70°F (21°C)*</p> <p>Sprayable Pot Life: 2 hours @ 70°F (21°C)</p> <p><small>* Pot life will be shortened with increased temperatures</small></p>								
SPRAY GUN AND AIR PRESSURE 	<p>1.3-1.5 Max 10 psi cap press.</p> <p>Refer to gun manufacturer's recommendations for inlet air pressure.</p>								
APPLICATION 	<p>Apply 2 medium wet coats</p> <p>Film builds</p> <table> <tr> <td>Minimum Dry</td> <td>2.0 mils</td> </tr> <tr> <td>Maximum Dry</td> <td>3.5 mils</td> </tr> <tr> <td>Recommended wet film build per coat</td> <td>2.0 - 2.5 mils</td> </tr> <tr> <td>Recommended dried film build per coat</td> <td>1.0 - 1.5 mils</td> </tr> </table>	Minimum Dry	2.0 mils	Maximum Dry	3.5 mils	Recommended wet film build per coat	2.0 - 2.5 mils	Recommended dried film build per coat	1.0 - 1.5 mils
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FLASH-OFF 	<p>3 - 5 minutes between coats</p>								
DRYING TIME 	<p>Air Dry @ 70°F (21°C)</p> <table> <tr> <td>Dust Free</td> <td>30 - 40 minutes</td> </tr> <tr> <td>Air Dry to Re-assemble</td> <td>3 - 4 hours</td> </tr> </table> <p>Force Dry @ 140°F (60°C)* 25 minutes (Metal Temperature)</p> <p>I-R N/A</p> <p><small>*For in-Service delivery at low temperatures (below 60°F (16°C) or inclement weather conditions, allow P190-6930 a minimum of 4 hours air dry at shop temperature (above 60°F (16°C) or above) or bake for 25 minutes @ 140°F (60°C) metal temperature and cool for one hour prior to putting into service.</small></p>	Dust Free	30 - 40 minutes	Air Dry to Re-assemble	3 - 4 hours				
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PERFORMANCE CLEARCOAT

SUBSTRATES

P190-6930 Performance Clearcoat can be applied over *Aquabase Plus Waterborne* basecoat after following recommended drying procedures, properly prepared and cleaned original equipment finishes and fully cured refinish paints. The use of a SX1070 Tack Rag is recommended.

OPTIONAL ADDITIVES

P100-2021	LV Flexible Additive	¼ up to ½ Part to RTS qt.
SLV814	Universal Flexibilizer	¼ up to ½ Part to RTS qt.

Note: When used on plastic parts, P190-6930 does not require the use of P100-2021. However, for very flexible or leading edge parts, the addition of P100-2021 or SLV814 will improve overall flexibility.

Fisheye Eliminator

SLV73	Fisheye Eliminator	1 oz. to RTS quart
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Retarder

SLV898	Low VOC Retarder	5% to RTS quart
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RECOATABILITY

6 - 8 hours at 70°F (21°C) air dry or after force dry for 25 minutes @ 140°F (60°C) metal temperature and cool down for one hour. P190-6930 must be sanded before recoating with primer, sealer or clear.

POLISHING

4 - 5 hours at 70°F (21°C). Polishing is not normally required. If, however, polishing is required to remove minor dirt nibs, sand with P1500 or finer and follow normal polishing procedures.

PERFORMANCE CLEARCOAT

PROCESS NOTES

For optimum performance, paint systems should not be applied cold. For best results, allow adequate time for paint to reach 70°F (21°C).

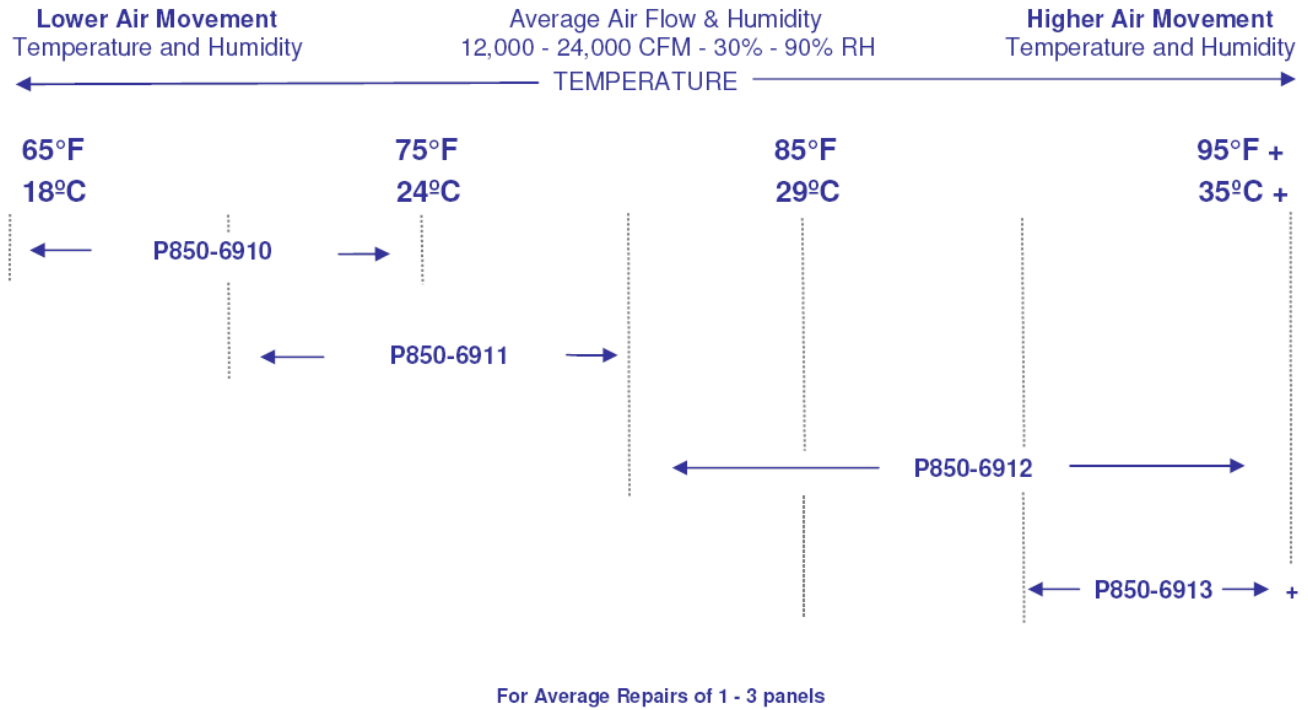
Fading Out:

After spot repairing, Use ONECHOICE® SLV840 or SXA840 Uniform Finish Blender solvent and apply starting from the outside of the repair moving towards the center of the repaired area to loose the clearcoat blend edge.

PERFORMANCE SPECIFICATIONS

RTS Combinations:	P190-6930 : P210-6975 : P850-691x	P190-6930 : P210-6975 : P850-691x : SLV898	P190-6930 : P210-6975 : P850-691x + P100-2021 / SLV814
Volume Ratio:	3 : 1 : 1	3 : 1 : 1 + 5%	3 : 1 : 1 + up to ½ part
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating (flexed)
VOC Actual (g/L)	132 - 137	126 - 128	125 - 137
VOC Actual (lbs/gal)	1.10 - 1.14	1.05 - 1.07	1.04 - 1.14
VOC Regulatory (less water less exempt) (g/l)	225 - 232	225 - 230	219 - 229
VOC Regulatory (less water less exempt) (lbs/gal)	1.88 - 1.94	1.88 - 1.92	1.83 - 1.91
Density (g/L)	1154 - 1158	1162 - 1166	1155 - 1165
Density (lbs/gal)	9.63 - 9.66	9.70 - 9.73	9.64 - 9.72
Volatiles wt. %	57.7 - 58.3	60.3 - 60.5	56.2 - 59.8
Water wt. %	0.0	0.0	0.0
Exempt wt. %	46.0 - 46.7	49.4 - 49.6	45.2 - 48.9
Water vol. %	0.0	0.0	0.0
Exempt vol. %	40.9 - 41.6	44.0 - 44.3	40.1 - 43.7
Solids vol. %	42.8 - 43.1	40.7 - 41.0	41.7 - 43.9
Sq Ft. Coverage / U.S.gal. 1 mil. @ 100% transfer efficiency	687 - 691	653 - 658	669 - 704

P190-6930 Performance Clear Thinner Selection Guide



Smaller

Temperature, Air Flow and Size of the Repair Will Affect Reducer Selection

Larger

For further information please contact:

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