



PDS N5.9.7C

June 2018

AQUABASE PLUS® P190-6950 Extended Performance Clearcoat

PRODUCT DESCRIPTION

AQUABASE® Plus P190-6950 Extended Performance Clearcoat is a high gloss overall clearcoat designed specifically for use with *Aquabase Plus* Waterborne Basecoat.

P190-6950 Extended Performance Clearcoat provides ease of application for large jobs and/or high temperatures. This clear offers exceptional appearance and gloss.

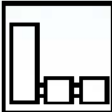
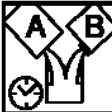



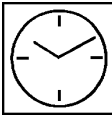
The low VOC of P190-6950 Extended Performance Clearcoat is compliant in all North American refinish markets

Products	
P190-6950	Extended Performance Clearcoat
P210-6975	Mid-Temperature Hardener
P850-6910/-6911/-6912/-6914 P850-1772/-1775	Thinners
P100-2021	LV Flexible Additive
SLV814	Universal Flexibilizer
SLV73	Fish Eye Eliminator
SL93LV	Accelerator

THESE PRODUCTS ARE FOR PROFESSIONAL USE ONLY

Extended Performance Clearcoat

PROCESS

<div>MIX RATIO</div> <div></div>	<div>P190-6950Clearcoat3 parts</div> <div>P210-6975Hardener1 part</div> <div>P850-691xThinner1 part</div> <div>P850-177xThinner</div>
P850-6914 is the required retarder for all markets	
<div>POTLIFE</div> <div></div>	<div>Sprayable Pot Life:2 hours at 70°F (21°C)*</div> <div>Viscosity:15 seconds Din #4 at 70°F (21°C)</div> <div>*Pot life will be shortened with increased temperatures</div>
<div>SPRAYGUN & AIR PRESSURE</div> <div></div>	<div>Fluid Tip:1.3 - 1.5 mm</div> <div>HVLP:10 PSI cap pressure</div> <div>Compliant:29 - 40 PSI at the gun</div> <div>Note: Refer to the spray gun manufacturer's recommendations for optimum inlet air pressures.</div>
<div>APPLICATION</div> <div></div>	<div>Apply:2 medium wet coats</div> <div>Film Builds:</div> <div>Minimum Dry:2.0 mils</div> <div>Maximum Dry:3.5 mils</div> <div>Recommended wet film build per coat:2.0 - 2.5 mils</div> <div>Recommended dry film build per coat:1.0 - 1.5 mils</div>
<div>FLASH TIME</div> <div></div>	<div>Between coats:10 - 15 minutes</div>
<div>DRY TIMES</div> <div></div>	<div>Air Dry:</div> <div>Air Dry:2 - 3 hours at 70°F (21°C)</div> <div>Air Dry to Re-assemble:Overnight</div> <div>Force Dry:</div> <div>Purge Time:10 - 15 minutes</div> <div>Bake:35 minutes at 140°F (60°C)* (Metal Temperature)</div> <div>Tape Time:6 hours or over night</div> <div>Infrared:N/A</div>

All force dry times are quoted for surface temperature.
Additional time must be allowed during force dry to allow surface to reach recommended temperature.

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GENERAL PROCESS NOTES

SUBSTRATES

P190-6950 Extended 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 SX1070 tack rag is recommended

PROCESS NOTES

CHOICE OF HARDENER AND THINNER

Hardener and thinner selection will depend mainly on temperature, but also on air movement and size of repair. (Refer to Selection Guide on page 5)

P210-6975	Mid Temperature Hardener
P850-6910	Low Temperature Thinner
P850-6911	Mid Temperature Thinner
P850-6912	High Temperature Thinner
P850-6914	High Temp-Humidity Thinner
P850-1772	Fast Reducer
P850-1775	Slow Reducer

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

OPTIONAL ADDITIVES

Flexible Parts

P100-2021	LV Flexible Additive	¼ up to ½ part to RTS quart
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SLV814	Universal Flexibilizer	¼ up to ½ part to RTS quart
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Note: P190-6950 does not require the use of P100-2021 but it is recommended. 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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Accelerator

SL93LV	Accelerator	2% to RTS quart
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RECOATABILITY

P190-6950 Extended Performance Clearcoat is recoatable after force dry for 35 minutes at 140°F (60°C) metal temperature and cool down for one hour.

P190-6950 Extended Performance Clearcoat must be sanded before recoating with primer, sealer or clear.

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GENERAL PROCESS NOTES

PROCESS NOTES

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 lose the clearcoat blend edge.

POLISHING

Minor dirt nibs can be removed after recommended air dry or force dry and cool down cycles. Sand with P1500 or finer and follow normal polishing procedures.

EQUIPMENT CLEANING

Use approved cleaning solvent

RTS Combinations	P190-6950 : P210-6975 : P850-691x/ P850-177x	P190-6950 : P210-6975 : P850-691x/ P850-177x + SLV73	P190-6950 : P210-6975 : P850-691x/ P850-177x + SLV93LV	P190-6950 : P210-6975 : P850-691x/ P850-177x + P100-2021/SLV814
Volume Ratio	3 : 1 : 1	3 : 1 : 1 + 1 oz./ RTS qt.	3 : 1 : 1 +2%	3 : 1 : 1 + up to ½ part
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating	Clear Coating (Flexed)
VOC Actual (g/L)	43-140	42-135	42-137	43-131
VOC Actual (lbs/Gal)	0.36-1.17	0.35-1.13	0.35-1.14	0.36-1.09
VOC Regulatory (g/L) (less water, less exemptions)	93-241	93-241	92-241	95-234
VOC Regulatory (lbs/Gal) (less water, less exemptions)	0.78-2.01	0.78-2.01	0.77-2.01	0.79-1.95
Density (g/L)	1148-1204	1147-1204	1149-1208	1155-1207
Density (lbs/Gal)	9.58-10.05	9.57-10.05	9.59-10.08	9.64-10.07
Volatiles wt. %	59.1-61.3	60.5-62.4	60.2-62.1	60.5-62.4
Water wt. %	0.0	0.0	0.0	0.0
Exempt wt. %	47.0-57.7	48.9-58.9	48.5-58.6	49.2-58.8
Water vol. %	0.0	0.0	0.0	0.0
Exempt vol. %	41.9-53.4	43.6-54.7	43.1-54.1	43.9-55.4
Solids vol. %	41.8-41.9	40.7	41.1	41.0-43.1
Solids wt. %	38.7-40.9	37.6-39.5	37.9-39.7	39.3-39.5
Sq. Ft. Coverage / US Gal. 1 mil at 100% transfer efficiency	670-672	652	659	658-691

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.

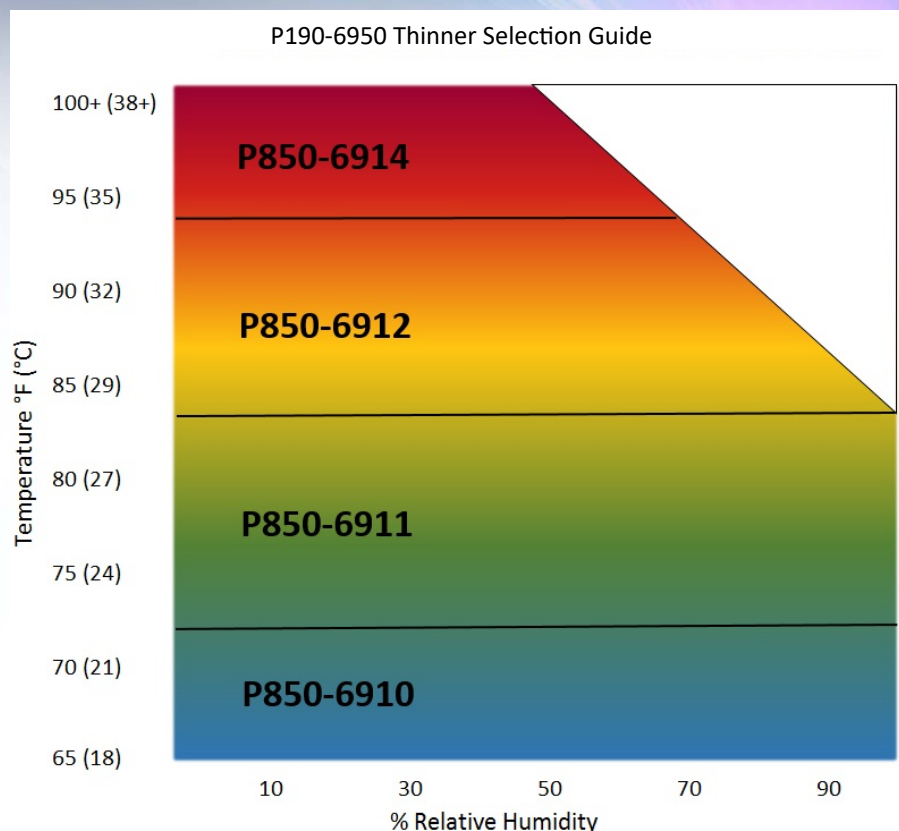
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Higher Air Movement
Temperature and Humidity
(Larger)

Average Air Flow & Humidity
12,000-24,000 CFM—30%-90% RH

Lower Air Movement
Temperature and Humidity
(Smaller)



Temperature, Air Flow, Humidity and Size of Repair will affect thinner selection.

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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