



AUTOCOLOR

PDS N6.3.2
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P190-6720 **MS CLEARCOAT-LV**

PRODUCT DESCRIPTION

P190-6720 MS Clearcoat-LV is a fast drying, 2-pack high solids acrylic urethane clearcoat which provides a fast and easy to apply high gloss, durable finish designed specifically for use over Aquabase Plus[®] waterborne basecoat.

Designed for use with

Aquabase
PLUS






MS CLEARCOAT-LV

PRODUCTS

P190-6720	MS CLEARCOAT-LV
P210-6475	MS HARDENER FAST
P210-6485	MS HARDENER NORMAL
P210-6495	MS HARDENER SLOW
P850-1772	FAST REDUCER
P850-1775	SLOW REDUCER
P275-2200	ACCELERATOR
SLV4985	UNIVERSAL FLATTENING AGENT

THESE PRODUCTS ARE FOR THE PROFESSIONAL PAINTING OF AUTOMOTIVE VEHICLES ONLY

PROCESS

	MS Express System	MS Standard System
MIX RATIO	Clearcoat P190-6720 4 parts Hardener P210-64X5 1 part Reducer P850-177X 1 part Accelerator P275-2200 10 %	Clearcoat P190-6720 4 parts Hardener P210-64X5 1 part Reducer P850-177X 1 part
VISCOSITY & POT LIFE 	14-17 seconds DIN 4 @ 70°F* (21°C) Pot Life: 1 - 1.5 hours @ 70°F (21°C)	14-17 seconds DIN 4 @ 70°F* (21°C) Pot Life: 1.5 - 2 hours @ 70°F (21°C)
SPRAY GUN AND AIR PRESSURE 	1.2-1.4 Max 10 psi cap press. Refer to gun manufacturer's recommendations for air pressure.	1.2-1.4 Max 10 psi cap press. Refer to gun manufacturer's recommendations for air pressure.
APPLICATION 	Apply 2 wet coats	
FLASH-OFF 	5 - 10 minutes	
DRYING TIME 	MS Express System Air Dry @ 70°F (21°C) Dust Free 10-15 minutes Polishing 1 1/2 hours Force Dry @ 140°F (60°C) Metal temperature 10 minutes Polishing After cool down I-R (Short wave) 5 minutes, full power	MS Standard System Air Dry @ 70°F (21°C) Dust Free 15-20 minutes Polishing 2 hours Force Dry @ 140°F (60°C) Metal temperature 20 minutes Polishing After cool down I-R(Short wave) 5 minutes, full power

Weight refers to use of P850-1775; for P850-1772 refer to PaintManager™ for exact weights.

*Note: Pot life will be shortened with increased temperatures

MS CLEARCOAT-LV

Weight Activation Chart for P190-6720 MS Clearcoat-LV

Final Ready for Use Volume	Cumulative Weight in Grams 4:1:1 / 4:1:1+10%				
	4 Parts P190-6720	1 Part P210-64X5	1 Part* P850-177X	or	10% P275-2200
¼ Pint / 4 oz.	90	114	140		153
½ Pint / 8 oz.	179	228	281		306
¾ Pint / 12 oz.	269	341	421		459
1 Pint / 16 oz.	358	455	561		612
1.5 Pint / 20 oz.	448	569	701		765
1.75 Pints / 28 oz.	627	797	982		1072
1 Quart / 32 oz.	716	910	1122		1225
1.5 Quart / 40 oz.	896	1138	1403		1531
2 Quart / 64 oz.	1433	1821	2244		2449

* These weights are for P850-1775 thinner only. When using P850-1772, refer to PaintManager™ for specific mix by weight amounts.

SUBSTRATES P190-6720 MS Clearcoat-LV can be applied over Aquabase Plus basecoat after allowing proper basecoat dry time.

PLASTICS APPLICATION

P190-6720	Ready-to-Spray MS Clearcoat-LV	10 Parts
P100-2021	LV Flexible Additive	1 Part

MATT FINISH

The chart below indicates the number of ounces of SLV4985, reducer and hardener to be added to 1 quart (32 oz) of clear to achieve varying degrees of flatness.

Gloss	P190-6720 (Ounces)	SLV4985 (Ounces)	Reducer (Ounces)	Hardener (Ounces)	Mix Ratio
Flat	32	44	8	8	4 : 5½ : 1 : 1
Eggshell	32	32	8	8	4 : 4 : 1 : 1
Semi-gloss	32	24	8	8	4 : 3 : 1 : 1

RECOATABILITY P190-6720 MS Clearcoat-LV used with Hardeners P210-6475 fast, P210-6485 normal and P210-6495 slow is recoatable after 8 hours air dry 70°F (21°C). When force dried for the recommended times and metal temperatures, P190-6720 is fully recoatable after fully cooling down plus 2 hours.

POLISHING

Polishing is not normally required. If however, polishing is required to remove minor dirt nibs, wet sand with P1500 wet. After force cure, P190-6720 may be polished after cool down or after 1 ½ - 2 hours for air dried.

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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 blending solvent and apply starting from the outside of the repair moving towards the center of the repaired area to lose the clearcoat blend edge.

Low Gloss

Refer to OneChoice bulletin OC-7 for additional information.

EQUIPMENT CLEANING

Approved Cleaning Solvent

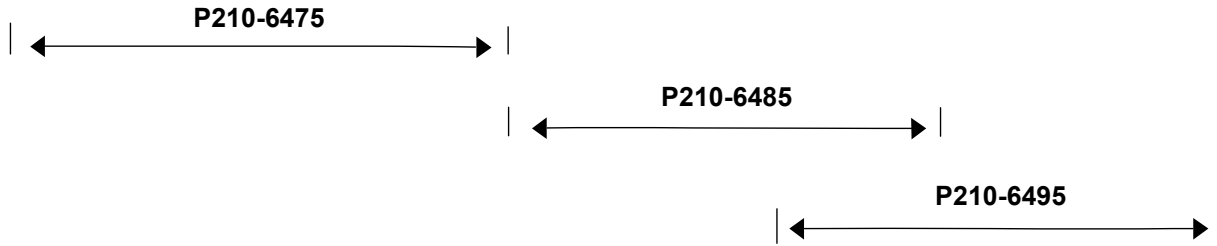
PERFORMANCE SPECIFICATIONS

	Express	Standard	Express Flexible	Standard Flexible
RTS Combinations:	P190-6720 : P210-64X5 : P850-177X : P275-2200	P190-6720 : P210-64X5 : P850-177X	P190-6720 : P210-64X5 : P850-177X: P275-2200 +P100-2021	P190-6720 : P210-64X5 : P850-177X +P100-2021
Volume Ratio:	4:1:1:10%	4:1 1	4:1:1:10%+10%	4:1:1+10%
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating (flexed)	Clear Coating (flexed)
VOC Actual (g/L)	117 - 121	118 - 123	120 - 124	122 - 126
VOC Actual (lbs/gal)	0.98 – 1.01	0.99 - 1.03	1.00 – 1.03	1.02 - 1.05
VOC Regulatory (less water less exempt) (g/l)	243 - 248	242 - 248	240 - 244	240 - 244
VOC Regulatory (less water less exempt) (lbs/gal)	2.03 – 2.07	2.02 - 2.07	2.00 - 2.04	2.00 - 2.04
Density (g/L)	1173 - 1176	1183 - 1185	1173 - 1176	1182 - 1184
Density (lbs/gal)	9.79 - 9.81	9.87 - 9.89	9.79 - 9.81	9.86 - 9.88
Volatiles wt. %	67.6 - 67.8	67.3 - 67.6	65.7 - 65.9	65.3 - 65.6
Water wt. %	0.0	0.0	0.0	0.0
Exempt wt. %	57.3 - 57.9	56.9 - 57.6	55.2 - 55.7	54.7 - 55.3
Water vol. %	0.0	0.0	0.0	0.0
Exempt vol. %	51.5 - 52.1	50.6 - 51.3	49.5 - 50.1	48.5 - 49.2
Solids vol. %	34.4	35.0	36.1	36.8
Sq Ft. Coverage / U.S.gal. 1 mil. @ 100% transfer efficiency	552	561	579	590

P190-6720 MS Clearcoat LV Hardener Selection Guide

TEMPERATURE

55°F	60°F	65°F	70°F	75°F	80°F	85°F	90°F	95°F +
13°C	15°C	18°C	21°C	24°C	27°C	29°C	32°C	35°C



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