



El Dorado County AQMD

Automotive Refinishing Operations

Rule 230

Amended: 9/27/1994 | In Effect: 6/1/1995



Coating Category	lbs/U.S. gal (g/L) Limit: VOC Regulatory (Less Water Less Exempts).	
Surface Preparation Solvent (Non-plastic)*	0.6 (72)	
Surface Preparation Solvent (Plastic)*	6.5 (780)	
Pretreatment Wash Primer	6.5 (780)	
Precoat	5.0 (600)	
Primer / Primer Surfacer	2.1 (250)	
Primer Sealer	3.5 (420)	
Single Stage Coating - Solid Color / Metallic	3.5 (420) / 4.3 (520)	
Multi Stage Topcoats System	4.5 (540)	
Specialty Coating	7.0 (840)	*VOC content applies to this category only

Product Code & Name	Hardener/ Activator	Reducer	Mix Ratio	VOC Content
Solvent (Surface Cleaner)				Limit: 0.6 / 6.5 lbs/gal (72 / 780 g/L)
SWX350 H ₂ O-SO-CLEAN® Wax & Grease Remover	-	-	-	0.17 (20)
SX103 MULTI-PREP® (Plastic only)	-	-	-	6.49 (778)
JX992 Plastic Cleaner (Plastic only)	-	-	-	6.49 (778)
SXA103 MULTI-PREP® Cleaner**	-	-	Aerosol	5.88 (705)
SXA330 Wax and Grease Remover**	-	-	Aerosol	5.77 (691)

**Rule 235 H. Cleaning with aerosol products shall not be subject to the provisions of Sections 235.3 A. and 235.3 E.1. of this rule if 160 fluid ounces or less per day per facility of aerosol products are used.

Product Code & Name	Hardener/Activator	Reducer	Additives	Mix Ratio	Applied VOC Less Water Less Exempt
Pre-Treatment Coatings				Limit: 6.5 lbs/gal (780 g/L)	
SX1071 ECOBASE® 5.5 Etch Prime	SX1072	-	-	1:1	5.48 (657)
SXA1031 Etch Primer - Gray	-	-	-	Aerosol	N/A
Precoat				Limit: 5.0 lbs/gal (600g/L)	
JP37X Epoxy Primer	JH3770	-	-	2:1	4.54 (539)
Primer Surfacer				Limit 2.1 lbs/gal (250 g/L)	
JP211 Gray Polyester Primer / Filler	MEKP	-	-	1 oz. per quart	1.36 (163)
JP35X 2.1 VOC Multi-Purpose Primer	JH358	JR554	-	4:1:2	1.96 (235)
JP390 2.1 VOC Epoxy Primer	JH397	JR55x	-	2:1:1	2.07 (248)
Primer Sealer (apply over previously coated surfaces)				Limit: 3.5 lbs/gal (420 g/L)	
JP35x 2.1 VOC Multi-Purpose Primer	JH358	JR55x	Clear	3:1:1:1	2.09 (250)
JP35x 2.1 VOC Multi-Purpose Primer (roll)	JH358	JR55x	-	4:1:2	1.96 (235)
JP36x 2.1 VOC Urethane Sealers	JH358	JR55x	-	4:1:1	2.09 (250)
JP390 2.1 VOC Epoxy Primer	JH397	JR55x	-	2:1:2	2.07 (248)
Single Stage Coating				Limit: 3.5 / 4.3 lbs/gal (420 / 520 g/L)	
JTX 2.8 VOC Direct Gloss Acrylic Urethane	JH6028	JR55X	-	4:1:2	2.80 (335)
JLX 2.8 VOC Acrylic Enamel	JH6028	JR55X	-	4:1:1	2.76 (331)



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Product Code & Name	Hardener/Activator	Reducer	Additives	Mix Ratio	Applied VOC Less Water Less Exempt
Basecoat for Multi Stage Topcoat System			System VOC Limit^{1,2}: 4.5 lbs/gal (540 g/L) Limit²: 4.5 lbs/gal (540 g/L)		
JB Acrylic Basecoat	-	JR50x/JR55xx	-	1:1	6.29 (755)
JBP Plus Acrylic Urethane Basecoat	-	JR50x/JR55xx	-	1:1	6.30 (755)
JBX 3.5 Acrylic Basecoat	-	JR29X	-	1:1	3.48 (417)
Use JBPX blend to spray mix recommendation without JH6028 only with new color formulas that contain J179					
JBPX 3.5 VOC Acrylic Urethane Basecoat	-	JR55X	-	1:1	3.49 (419)
Use JBPX blend to spray mix recommendations with JH6028 with all historic color formulas that contain J136					
JBPX 3.5 VOC Acrylic Urethane Basecoat	JH6028	JR55X	-	10:1:10	3.48 (417)
JBPX 3.5 VOC Acrylic Urethane Basecoat	JH6028	JR55X	-	10:1:5	3.48 (417)
Clearcoat for Multi Stage Topcoat System			Limit²: 3.6 lbs/gal (420 g/L)		
JC830 2.1 VOC Production Clear	JH83xx	JR55x	-	4:1:0.5	2.08 (249)
JC7200 HS European Clearcoat	JH72xx	-	-	2:1	2.08 (249)
¹ The VOC limit on a Multi Stage Topcoat System is 4.5 lbs/gal. ² The VOC of the BC/CC system is determined by BC/CC composite calculation, where the VOC system = (VOC BC + VOC CC) / 3 For 3 stage coating system BC/MC/CC, where the VOC system = (VOC BC + VOC MC + 2*VOC CC) / 4 For 4 stage coating system, please refer to the regulation.					

System VOC - There is a maximum applied VOC limit of 4.5 lbs/gal for the Multi Stage BC/CC system. Use the Chart below to determine the maximum VOC of the selected clear that can be used with your basecoat VOC to meet the 4.5 limit. VOC calculations are based on worst-case scenarios of the RTS mixed color and solvents. Verify VOC calculations if deviating from the chart.
**Special blend ratio may be required for groundcoat and midcoat in tri-coat systems for VOC compliance (see basecoat TDS).
***See chart below for appropriate RTS VOC clear. If Multi-Stage VOC calculation is above 4.5 lbs/gal due to VOC of RTS basecoat, MUST choose lower VOC clearcoat or use basecoat TDS special blend option.

Basecoat VOC	Use Max Clearcoat VOC
6.3	3.55
5.8	3.80
5.3	4.05
4.8	4.30
4.3	4.55
3.8	4.8
3.3	5.05

Additional Products (listing not intended to be all inclusive)		
SLV4985 Universal Flattening Agent	SU4901 Clean and Scuff Sponge	SXA1044 High Build Flexible Surfacers (Aerosol)
SLV73 Fisheye Eliminator	SUA4903 Advanced Plastic Bond (Aerosol)	SXA1050 Plastic Adhesion Promoter (Aerosol)
SLV814 Universal Flexibilizer	SWX100 Waterborne Gun Cleaner	SX1047 High Build WB Flexible Surfacers
SLV840 Uniform Finish Blender	SXA840 Uniform Finish Blender (Aerosol)	SU470LV 1K Compliant Adhesion Promoter
SLV898 Retarder	SXA1030 Black Guide Coat (Aerosol)	

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