



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)
MX192 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)					
MP17x Epoxy Primer	MP175	-	-	2:1	4.54 (539)
Primer Surfacer Limit 2.1 lbs/gal (250 g/L)					
MP80X Multi-Purpose Primer	MH810	MR29X	-	4:1:2	1.96 (235)
MP246 Polyester Primer	MEKP	-	-	32:1	1.36 (163)
MP871 2.1 VOC Epoxy Primer	MP875	MR29X	-	2:1:1	2.07 (248)
Primer Sealer (apply over previously coated surfaces) Limit: 3.5 lbs/gal (420 g/L)					
MP80X Multi-Purpose Primer	MH810	MR29X	MC730 or MC2910	3:1:1:1	2.02 (242)
MP871 2.1 VOC Epoxy Primer	MP875	MR29X	-	2:2:1	2.07 (248)
MP89x 2.1 VOC Urethane Sealers	MH810	MR29x	-	4:1:1	2.01 (241)
Single Stage Coating Limit: 3.5 / 4.3 lbs/gal (420 / 520 g/L)					
MLX 2.8 VOC Acrylic Enamel	MH238	MR29X	-	4:1:1	2.76 (331)
MTX 2.8 VOC Single Stage	MH238	MR29X	-	4:1:2	2.80 (336)



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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 (540g/L) Limit ² : 6.3 lbs/gal (755 g/L)	
MBC Acrylic Basecoat	-	MR18x	-	1:1	6.29 (755)
MBP OMNI® Plus Acrylic Urethane Basecoat	-	MR18x	-	1:1	6.3 (755)
MBX <i>Omni</i> 3.5 VOC Acrylic Basecoat	-	MR29x	-	1:1	3.5 (419)
Use MBPX blend to spray mix recommendation without MH238 only with color formulas that contain M799					
MBPX <i>Omni</i> Plus 3.5 Basecoat	-	MR29x	-	1:1	3.48 (417)
Use MBPX blend to spray mix recommendations with MH238 with all historic color formulas that contain M736					
MBPX <i>Omni</i> Plus 3.5 Basecoat	MH238	MR29x	-	10:1:10	3.48 (417)
MBPX <i>Omni</i> Plus 3.5 Basecoat	MH238	MR29x	-	10:1:5	3.48 (417)
Clearcoat for Multi Stage Topcoat System				Limit ² : 3.6 lbs/gal (420 g/L)	
MC730 2.1 VOC Production Clear	MH737, MH738, MH739	MR295, MR296	-	4:1:0.5	2.08 (249)
MC2910 2.1 VOC EUROPLUS® Multi-Panel Clearcoat	MH2918, MH2919	-	-	2:1	1.95 (234)
MC2980 2.1 VOC <i>Europlus</i> Clear	MH2981, MH2982, MH2983	-	-	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 {as specifically required by air quality regulations}.

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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