



# Rhode Island VOC Chart

Control of Volatile Organic Compounds from  
Automobile Refinishing Operations  
Office of Air Resources / Chapter 30  
In Effect: 7/19/2007



Coating Category	lbs/U.S. gal (g/L) Limit: VOC Regulatory (Less Water Less Exempts).	
Surface Preparation (Cleaner) - Plastic	6.5 (780)*	*VOC content value.  **See Part 30.3, Table 1 and 2 for limits for Group I and II Coatings.
Surface Preparation (Cleaner) - Other	1.4 (168)*	
Pre-Treatment Wash Primer	6.5 (780)	
Primer Surfacer	4.8 (576)**	
Primer Sealer	4.6 (552)**	
Single Stage Coating	5.0 (600)**	
Multi Stage Coating (2 Stage - BC/CC)	5.0 (600)**	
Multi Stage Coating (3 or more Stages - BC/CC)	5.2 (624)**	
Specialty Coatings	7.0 (840)	

Product Code & Name	Hardener/Activator	Reducer	Mix Ratio	VOC Content
<b>Solvent (Surface Cleaner)</b>				<b>Limit: 6.5 / 1.4 lbs/gal (780 / 168 g/L)</b>
SWX350 H <sub>2</sub> O-SO-CLEAN <sup>®</sup> Wax & Grease Remover	-	-	-	0.17 (20)
SX103 MULTI-PREP <sup>®</sup> (plastic only)	-	-	-	6.49 (778)
SX394 1.4 Low VOC Cleaner	-	-	-	1.34 (161)

Product Code & Name	Hardener/Activator	Reducer	Additives	Mix Ratio	Applied VOC Less Water Less Exempt
<b>Pre-Treatment Coatings</b>					<b>Limit: 6.5 lbs/gal (780 g/L)</b>
MP220 Chrome Free Etch Primer	MP222	-	-	1:1	6.04 (724)
SX1071 ECOBASE <sup>®</sup> 5.5 Etch Prime	SX1072	-	-	1:1	5.48 (657)
SXA1031 Etch Primer - Gray	-	-	-	Aerosol	N/A
<b>Primer Surfacer</b>					<b>Limit 4.8 lbs/gal (576 g/L)</b>
SX1060 2K Rollable Surfacer	SX1061	-	-	4:1	4.18 (501)
MP182 2K Urethane Surfacer	MH165, MH166	-	-	5:1	4.20 (502)
MP182 2K Urethane Surfacer W/ MTK color	MH165, MH166	-	-	4:1:1	4.30 (515)
MP243 Polyester Primer	MEKP (MX199)	-	-	1 tube/qt	1.64 (196)
MP281 1K Light Gray Primer Surfacer	-	MS250	-	1:1	4.80 (575)
MP282 High Build 2K Primer Surfacer	MH283, MH284	MR18x	-	4:1:1	4.66 (558)
MP80x 2.1 VOC Multi-Purpose Primer	MH810	MR18x	-	4:1:1	3.82 (458)
MP80x 2.1 VOC Multi-Purpose Primer	MH810	MR29x	-	4:1:2	1.96 (236)
MP871 2.1 VOC Epoxy Primer	MP875	MR29x	-	2:1:1	2.07 (248)
<b>Primer Sealer (apply over previously coated surfaces)</b>					<b>Limit: 4.6 lbs/gal (552 g/L)</b>
MP17x Epoxy Primer	MP175	-	-	2:1	4.54 (539)
MP213 GP Sealer	-	MR18x	-	4:1	4.60 (552)
MP23x 2K Urethane Sealer	MH283, MH284	MR18x	-	4:1:1	4.54 (544)
MP80x 2.1 VOC Multi-Purpose Primer	MH810	MR18x	MC262	3:1:1:1	3.49 (418)
MP80x 2.1 VOC Multi-Purpose Primer	MH810	MR29X	MC262	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)



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<b>Single Stage Coating</b>					<b>Limit: 5.0 lbs/gal (600 g/L)</b>
MAE Acrylic Enamel	-	MR18x	-	4:1	5.0 (599)
MAE Acrylic Enamel Activated	MH101, MH202	MR18x	-	8:1:1	5.0 (599)
MLX 2.8 VOC Acrylic Enamel	MH238	MR29x	-	4:1:1	2.76 (331)
MTK Acrylic Urethane Single Stage	MH16x	MR18x	-	4:1:1	5.0 (599)
MTX 2.8 VOC Single Stage	MH238	MR29x	-	4:1:2	2.8 (335)
<b>Multi-Stage Topcoat System</b>					<b>System VOC Limit<sup>1,2</sup>: 5.0 / 5.2 lbs/gal (600 / 624 g/L)</b>
<b>Color Coating</b>					<b>Limit<sup>2</sup>: 6.3 lbs/gal (755 g/L)</b>
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)
<b>Use MBPX blend to spray mix recommendation without MH238 only with color formulas that contain M799</b>					
MBPX <i>Omni</i> Plus 3.5 Basecoat	-	MR29x	-	1:1	3.48 (417)
<b>Use MBPX blend to spray mix recommendations with MH238 with all historic color formulas that contain M736</b>					
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)
<b>Clear Coating</b>					<b>Limit<sup>2</sup>: 4.3 lbs/gal (515 g/L)</b>
MC161 High Solids Urethane Clear	MH16x	-	-	2:1	4.18 (500)
MC250 Urethane Clearcoat	MH25x	-	-	4:1	4.14 (496)
MC260 Quick Clear	MH16x	-	-	2:1	4.29 (514)
MC262 <i>Omni</i> 2.1 VOC 4+1 Urethane Clear	MH266, MH267	-	-	4:1	2.08 (249)
MC270 4.2 VOC Production clear	MH27x	-	-	4:1	4.18 (501)
MC730 2.1 VOC Production Clear	MH737, MH738, MH739	MR295, MR296	-	4:1:0.5	2.08 (249)
MC760 2.1 VOC Universal Clear	MH267, MH268	MR295, MR296	-	4:1:1	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 Tri-Coat and Quad-Coat Multi-Stage Systems is 5.2 lbs/gal.
2. The VOC of the BC/CC (Multi-stage) system is found by BC/CC composite calculation, where the  $VOC_{sys} = (VOC_{bc} + 2VOC_{cc}) / 3$ , as specified by current air quality regulations.
3. Specialty coatings include, but are not limited to, the listed products

**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)	SXA1041 Bumper Black (Aerosol)

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