



Massachusetts VOC Chart

Automobile Refinishing

310 CMR 7.18 (28)

In Effect: 8/1/1995



Coating Category	lbs/U.S. gal (g/L) Limit: VOC Regulatory (Less Water Less Exempts).
Surface Preparation (Cleaner) - Plastic*	6.5 (780)
Surface Preparation (Cleaner) - Other*	1.67 (200)
Pre-Treatment Wash Primer	6.5 (780)
Primer Surfacer	4.8 (575)
Primer Sealer	4.6 (550)
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 (620)
Specialty Coatings	7.0 (840)

*VOC content value applies to this category only

Product Code & Name	Hardener/Activator	Reducer	Mix Ratio	VOC Content
Solvent (Surface Cleaner) Limit: 6.5 / 1.67 lbs/gal (780 / 200 g/L)				
SWX350 H ₂ O-SO-CLEAN [®] Wax & Grease Remover	-	-	-	0.17 (20)
SX103 Multi-Prep (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
Pre-Treatment Coatings Limit: 6.5 lbs/gal (780 g/L)					
JP310 Chrome Free Etch Primer	JH3110	-	-	1:1	6.04 (724)
SX1071 ECOBASE [®] 5.5 Etch Prime	SX1072	-	-	1:1	5.48 (657)
SXA1031 Etch Primer - Gray	-	-	-	Aerosol	N/A
Primer Surfacer Limit 4.8 lbs/gal (575 g/L)					
SX1060 2K Rollable Surfacer	SX1061	-	-	4:1	4.18 (501)
JP202 High Build Primer Surfacer	JH301, JH302	JR50x	-	4:1:1	4.66 (558)
JP209 Gray Polyester Primer / Filler	MEKP (MX199)	-	-	1 tube/qt	1.64 (196)
JP233 1K Acrylic Primer	-	JT502	-	1:1	4.80 (575)
JP285 2K Urethane Surfacer	JH3865, JH3885	-	-	5:1	4.20 (502)
JP285 2K Urethane Surfacer W/ JAU color	JH3865, JH3885	-	-	4:1:1	4.30 (515)
JP35x 2.1 VOC Multi-Purpose Primer	JH358	JH55x	-	4:1:2	2.05 (246)
JP390 2.1 VOC Epoxy Primer	JH397	JR55x	-	2:1:1	2.07 (248)
Primer Sealer (apply over previously coated surfaces) Limit: 4.6 lbs/gal (550 g/L)					
JP315 1K Acrylic Sealer	-	JR50x	-	4:1	4.60 (552)
JP33x 2K Urethane Sealer	JH301, JH302	JR50x	-	4:1:1	4.54 (544)
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)
JP37x Epoxy Primer	JH3770	-	-	2:1	4.54 (544)
JP385 2K Sealer	JH3865, JH3885	-	-	5:1	4.60 (552)
JP390 2.1 VOC Epoxy Primer	JH397	JR55x	-	2:1:2	2.07 (248)



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Single Stage Coating					Limit: 5.0 lbs/gal (600 g/L)
JE Acrylic Enamel	-	JR50x/JR40xx	-	4:1	5.0 (599)
JE Acrylic Enamel Activated	JH6001, JH6002	JR50x/JR40xx	-	8:1:1	5.0 (599)
JLX 2.8 VOC Acrylic Enamel	JH6028	JR55x	-	4:1:1	2.76 (331)
JAU Acrylic Urethane Direct Gloss	JH667x	JR50x/JR556x	-	4:1:1	5.0 (599)
JTX 2.8 VOC Acrylic Urethane Direct Gloss	JH6028	JR55x	-	4:1:2	2.8 (335)
Multi-Stage Topcoat System					System VOC Limit ^{1,2}: 5.0 / 5.2 lbs/gal (600 / 624 g/L)
Color Coating					Limit ²: 6.3 lbs/gal (755 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)
<i>Use JBPX blend to spray mix recommendation without JH6028 only with new color formulas that contain J179</i>					
JBPX 3.5 VOC Acrylic Urethane Basecoat	-	JR55X	-	1:1	3.49 (419)
<i>Use JBPX blend to spray mix recommendations with JH6028 with all historic color formulas that contain J136</i>					
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)
Clear Coating					Limit ²: 4.3 lbs/gal (515 g/L)
JC620 Acrylic Urethane Clearcoat	JH62xx	-	-	4:1	4.14 (496)
JC630 4.2 Polyurethane Clearcoat	JH63xx	-	-	4:1	4.18 (501)
JC660 Rapid Spot / Panel Clearcoat	JH66xx	-	-	2:1	4.29 (514)
JC661 High Gloss Multi-Panel Clear	JH66xx	-	-	2:1	4.29 (514)
JC6700 HS European Clearcoat	JH67xx	-	-	2:1	4.18 (500)
JC6800 HS European Speed Clear	JH68xx	-	-	2:1	4.20 (503)
JC7100 2.1 VOC European Multi-Panel Clear	JH71xx	-	-	2:1	1.95 (234)
JC7200 HS European Clearcoat	JH72xx	-	-	2:1	2.08 (249)
JC780 2.1 VOC Polyurethane Speed Clear	JH78xx	-	-	4:1	2.08 (249)
JC781 2.1 VOC Polyurethane High Gloss Clear	JH87x	-	-	4:1	2.06 (247)
JC830 2.1 VOC Production Clear	JH83xx	JR55x	-	4:1:0.5	2.08 (249)
<p>1. The VOC limit on Tri-Coat and Quad-Coat Multi-Stage Systems is 5.2 lbs/gal.</p> <p>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.</p> <p>3. Specialty coatings include, but are not limited to, the listed products</p>					

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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