



# Massachusetts VOC Chart

Automobile Refinishing

**310 CMR 7.18 (28)**

Effective: 8/1/1995



Coating Category	lbs/U.S. gal (g/L) Limit: VOC Regulatory (Less Water Less Exempts).
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)
Surface Preparation (Cleaner) - Plastic	6.5 (780)*
Surface Preparation (Cleaner) - Other	1.67 (200)*

\*VOC Content Value

Product Code & Name	Hardener/Activator	Reducer	Mix Ratio	VOC Content
<b>Solvent (Surface Cleaner) Limit: 6.5 / 1.67 lbs/gal (780 / 200 g/L)</b>				
P273-1333 Cleaner for Plastics	-	Water	1:1	3.15 (377)
P980-251 Waterborne Pre-Cleaner	-	Water	RFU	0.57 (683)
SWX350 H2O-SO-CLEAN® Wax & Grease Remover	-	-	-	0.17 (20)

Product Code & Name	Hardener/Activator	Reducer	Additives	Mix Ratio	Applied VOC Less Water Less Exempt
<b>Pre-Treatment Coatings Limit: 6.5 lbs/gal (780 g/L)</b>					
SX1071 ECOBASE® 5.5 Etch Prime	SX1072	-	-	1:1	5.48 (657)
<b>Primer Surfacer Limit 4.8 lbs/gal (576 g/L)</b>					
P565-2910 Primer Surfacer	P210-52XX	P850-169X	-	6:1:2	4.67 (559)
P565-530X Fast HS Primer Surfacer	P210-796/798/842	P850-169X	-	5:1:1	4.50 (539)
P950-5505 Waterborne Primer Surfacer	-	P980-5000	-	1:13%	0.72 (86)
DPLV 2.1 Epoxy Primer	DP401LV	D8764, D8774, D8767	-	2:1:1	2.09 (250)
<b>Primer Sealer (apply over previously coated surfaces) Limit: 4.6 lbs/gal (552 g/L)</b>					
P565-301X Fast HS Wet-On-Wet Sealers	P210-796, P210-798	P850-169X	-	5:1:2	4.50 (539)
P565-312X HS+ Wet-On-Wet Sealer	P210-5475	P850-1775	-	3:1:1	2.75 (329)
<b>Single Stage Coating Limit: 5.0 lbs/gal (600 g/L)</b>					
P989 AQUABASE® Plus Interior System	P210-9136	P980-5000	-	100:15:15	2.79 (334)
P420/421 2K HS Single Layer	P210-85X	P850-169X	-	3:1:1	5.00 (600)
<b>Basecoat for Multi Stage Topcoat System Limit<sup>1,2</sup> : 5.0 / 5.2 lbs/gal (600 / 624 g/L)</b>					
P422 Line 2K Basecoat	-	P850-169X	-	1:1	6.40 (767)
P422 Line 2K Basecoat	P210-796	P850-169X	-	10:1:11	6.40 (767)
P989 Aquabase Plus Basecoat	-	P980-5000	-	100:10	3.35 (401)
P989 Aquabase Plus Basecoat	-	P980-5000	-	100:20	3.40 (407)
P989 Aquabase Plus Basecoat	-	P980-5000	-	100:30	3.50 (419)
P989 Aquabase Plus Basecoat	-	-	P935-1250	100:10	3.36 (403)
P989 Aquabase Plus Basecoat	-	P980-5000	P935-1250	100:10:10	3.38 (405)
P989 Aquabase Plus Basecoat	-	P980-5000	P935-1250	100:20:10	3.40 (407)
P989 Aquabase Plus Basecoat	P210-9120	P980-5000	-	100:10:10	3.05 (336)
P989 Aquabase Plus Basecoat	P210-9120	P980-5000	-	100:10:20	3.09 (370)
P989 Aquabase Plus Basecoat	P210-9120	P980-5000	-	100:10:30	3.11 (373)



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<b>Underbody Coatings (Specialty)</b>					<b>Limit: 7.0 lbs/gal (840 g/L)</b>
P420 Line Engine Bay Color	P210-85X	P850-169X	-	5:1:2	4.40 (523)
P989 Aquabase Plus Engine Bay Color	P210-9120	P980-5000	-	100:15:15	3.08 (369)
<b>Clearcoat for Multi Stage Top Coat System</b>					<b>Limit<sup>1,2</sup> : 5.0 / 5.2 lbs/gal (600 / 624 g/L)</b>
P190-5520 Clearcoat	P210-52XX	P850-169X	-	2:1:5%	4.21 (504)
P190-643 HS Clearcoat	P210-85X	P850-169X	-	4:2:1	4.30 (515)
P190-6100 Fast HS Clearcoat	P210-62XX	-	-	4:1	3.83 (459)
P190-6330 HS Production Clearcoat	P210-62XX	P850-169X	-	3:1:1	3.89 (466)
P190-6659 Express Clearcoat	P210-87X	P850-169X	-	3:1:0.6	3.75 (449)
P190-6659 Express Clearcoat	P210-872	P850-1689	-	3:1:0.6	3.85 (461)
P190-6690 High Solids Clearcoat	P210-87X	P850-169X	-	3:1:0.6	3.76 (450)
P190-6800 HS Express Clearcoat	P210-6875 P210-6875	P850-1775 P852-168X	-	4:1:1 4:1:1	1.90 (228) 2.08 (249)
P190-6930 Performance Clearcoat	P210-6975	P850-169X P850-6914	-	3:1:1	2.52 (302)
P190-6950 Extended Performance Clearcoat	P210-6975	P850-169x P850-6914	-	3:1:1	2.66 (319)
<sup>1</sup> The VOC limit on tri-coat & quad-coat multi-stage systems is 5.2 lbs/gal. <sup>2</sup> The VOC of the BC/CC (multi-stage) system is determined by BC/CC composite calculation, where the VOC system = (VOC BC + VOC CC) ÷ 3 [as specified by current air quality regulations.					

<b>Additional Products (listing not intended to be all inclusive)</b>			<b>Limit: 7.0 lbs/gal</b>
P100-2020 Flexible Additive	SU4985 Universal Flattening Agent	SU4902 Plastic Adhesion Wipe	
P190-1002 Basecoat Blender	SLV898 Retarder	SU4903 Advanced Plastic Bond	
P273-1051 Base Fade	SU4901 Clean and Scuff Sponge	SUA4903 Advanced Plastic Bond (Aerosol)	
P565-554 2K Matting Base	P572-2001 1K Adhesion Primer for Plastics	SU470LV 1K Compliant Adhesion Promoter	
P565-668 Transparent Adhesion Promoter	P850-1401 Fade Out Thinner	SWX100 Waterborne Gun Cleaner	

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