



# Bay Area Quality Management District

## Reg 8, Rule 45

VOC Limits for Group I Vehicles



Coating Category	Group I	Group II	
Surface Cleaners	0.6	0.6	
Surface Cleaners for Plastics	6.5	6.5	
Pretreatments Wash Primers	6.5	6.5	
Precoat	4.8	4.8	
Primer/Primer Surfacer	2.1	2.1	
Primer Sealer	3.5	2.8	
Topcoat – Single Stage Solids	3.5	3.5	
Topcoat – Single Stage Metallic	4.3	3.5	
Multi-Stage Topcoat Systems (BC/CC)	4.5	3.5	
Specialty Coatings	7.0*	7.0*	*Not to exceed 5% of total monthly gallons

Product Code & Name	Reducer	Hardener/ Activator	Mixing Ratio	Applied VOC
<b>Surface Cleaners</b>				Limit: 0.6 lbs/gal
<i>The use of "any solvent" is permitted for spot surface cleaning, if applied from a hand held spray bottle.</i>				
DX330 ACRYLI-CLEAN® Wax and Grease Remover	-	-	-	6.4
DX394 1.4 Low VOC Cleaner	-	-	-	1.4
SX1005 0.4 Low VOC Cleaner	-	-	-	0.4
<b>Surface Cleaner for Plastics</b>				Limit: 6.5 lbs/gal
DX103 MULTI-PREP™	-	-	-	6.5

Product Code & Name	Reducer	Hardener/ Activator	Mixing Ratio	Applied VOC Less Water Less Exempt
<b>Pretreatments Wash Primers</b>				Limit: 6.5 lbs/gal
DPX171 Non-Chrome Self Etch Primer	-	DPX172 or 173	1:1	6.1
SX1031 Etch Primer	-	-	RTS	6.2
SXA1031 Etch Primer (aerosol)	-	-	RTS	5.6
<b>Precoats</b>				Limit: 4.8 lbs/gal
<i>Precoats shall not exceed 25%, by volume, of the primer surface used.</i>				
DPLF Epoxy Precoat	-	DP401LF or DP402LF	2:1	4.6
K36 Prima™ Acrylic Precoat	DT1845 or DT1850 Do Not use DT1855	K201	5:1:1	4.8 4.3 (less exempt)
<b>Primer/Primer Surfacer</b>				Limit: 2.1 lbs/gal
DPLV 3055 Acrylic Urethane Surfacer	DT18xx series	DHLV3030	4:1:1	2.03
DPLV 3055 Acrylic Urethane Surfacer	-	DHLV3030	4:1	2.03
NCP280 2.1 VOC Primer Surfacer	-	NCX285	2:1	2.1
NCP280 2.1 VOC Primer Surfacer	-	NCX285	2:1 + 10% acetone	2.1
SX1080 2K Rollable Surfacer LV	-	SX1081	4:1	2.08
<b>Primer Sealer (apply over previously coated surfaces)</b>				Limit: 3.5 lbs/gal
NCP270 or NCP271 Sealer	-	NCX 275	3:1	3.5
DSL3025 Acrylic Urethane Sealer	DT18xx series	DHLV3030	3:1:1	2.80
<b>Foundation Coats</b>				Limit: 4.5 lbs/gal
<i>The VOC of the Multi-Stage System (Basecoat/Mid-Coat/Clear) or (Foundation Coat/ Basecoat/ Clearcoat) System is found by composite calculations; The Basecoat/Clearcoat calculation is VOC system = (VOCbc+2VOCcc) ÷ 3 The Multi stage calculation is VOC system = (VOCfc+VOCbc+2VOCcc) ÷ 4</i>				
K36 Prima™ Acrylic Urethane Foundation Coat: DMC, DMD*, DCC	DT1845, DT1850 Do Not use DT1855	DCX70	4:2:2:1	3.5 before tint 3.9 after tint
K93 Tintable Foundation Coat: DMC, DMD*, DCC	DT1845, DT1850 Do Not use DT1855	DCX70	4:2:2:1	3.5 before tint 3.9 after tint
*Do not use "Basecoat only" DMD bases				

Product Code & Name	Reducer	Hardener/ Activator	Additives	Mix Ratio	Applied VOC Less Water Less Exempt
<b>Solid Single Stage Topcoats</b>					Limit: 3.5 lbs/gal
CONCEPT®LV (CLV) Acrylic Urethane	-	DCX61	DX84 or DX87	2:1 + 1 oz. of DX / RTS qt + 5 –10 % DT18xx Reducer	3.5



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Product Code & Name	Reducer	Hardener/ Activator	Additives	Mix Ratio	System VOC* Less Water Less Exempt
<b>Basecoat for Multi-Stage Systems</b>				<b>System Limit*:</b>	<b>4.5 lbs/gal</b>
<i>The VOC of the Multi-Stage System (Basecoat/Mid-Coat/Clear) or (Foundation Coat/Basecoat/Clearcoat) System is found by composite calculations; The Basecoat/Clearcoat calculation is VOC system = (VOCbc+2VOCcc) ÷ 3 The Multi stage calculation is VOC system = (VOCfc+VOCbc+2VOCcc) ÷ 4</i>					
DELTRON® (DBU) Universal Basecoat	DRR Series	-		1:1½	6.52
DELTRON® (DBU) Universal Basecoat	DRR Series	-		1:1**	6.35
DELTRON® 2000 (DBC) Basecoat	DT870 series	-		1:1***	6.60
DELTRON® 2000 (DBC) Basecoat	DT870 series	-		1:1 + 5% DX57	6.36

<b>Clear</b>					<b>System Limit*:</b>	<b>4.5 lbs/gal</b>
DC3010 Delton High Velocity	-	DCH3510, DCH3520, DCH3530	-	4:1	2.08	
DC4010 Velocity Premium	-	DCH3510, DCH3520, DCH3530	-	4:1	2.05	
DCD35 Clear	-	DU5 or DU6	-	2:1	3.5	
DCU2010 2.1 Speed Clear	-	DCX2009, DCX2011, DCX2012	-	4:1	2.07	
DCU2035 DIAMOND COAT® PLUS 3.5 VOC Clear	DT870 series	DCX 8, DCX 9 or DCX 61	DX84 or DX87	4:1:2 + 1oz. DX /RTS qt.	3.47	
DCU2042 Low VOC Speed Clear	DT18xx Reducers	DCX9 or 61	-	4:1:1	3.51	
DCU2055 Concept® Clear	DT870 series	DCX9 or 61	DX84 or DX87	3 : ½ : 1+ 1oz.DX/RTS qt.	3.48	

**\*System VOC - There is a maximum applied 4.5lbs/gal system limit, use the Chart below to determine the maximum VOC of clear that can be used with your basecoat to meet the 4.5 system limit. VOC calculations are based on worst case scenarios of the RTS mixed color and solvents. Verify VOC calculations if deviating from the chart.**

**\*\*Blend ratio required for groundcoat in tri-coat system for VOC compliance.**

**\*\*\*See max clearcoat VOC 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 DX57 Basecoat Activator to lower basecoat VOC.**

Basecoat VOC	Use Max Clearcoat VOC
6.80	3.35
6.70	3.40
6.60	3.45
6.50	3.50
6.40	3.55
6.30	3.60
6.20	3.65
6.10	3.70
6.00	3.75

<b>Coatings for Process Specific Purposes / Additives to Create Specialty Coatings</b>		<b>Limit:</b>	<b>7.0 lbs/gal Less Water Less Exempt</b>
<i>Specialty coatings include, but are not limited to the listed products.</i>			
DAU75/DXR80 Bright metal Clear	DX685 Flattening Additive	SXA1030 Black Guide Coat	
DBC500 Color Blender	DX814 Flex Additive	SXA1033 Texture Spray	
DBU500 Color Blender	DX830 Universal Blender	SXA1041 Bumper Black	
DCU2060 Flexed N Flat	DX840 Blend-Ease Universal Blending Solvent	SXA1043 Flexible Sealer	
DCU Clears/DX814 Flexed Clears	DX995 Flattening Additive	SXA1044 High Build Flexible Surfacer	
DPLF Epoxy Weld thru coating	DXC999 CLV Low VOC additive	SXA1050 Plastic Adhesion Promoter	
DPX801 Universal Plastics Primer	DXR81 Accelerator	SU4901 Clean and Scuff Sponge	
DX73 Anti Crater	NCP250/DX814 Flexed Primers	SU4902 Plastic Prep Wipe	
DX76 Super Accelerator	SX1056 Flexible Sealer	SU4903 Advance Plastic Bond	
DX84 Accelerator	SX1057 Flexible Surfacer		
DX87 Extender	SXA103 Multi-Prep Cleaner		
DX369 FLEXATIVE®	SXA330 Wax & Grease remover		