

Universal Flattening Agent LV

SLV4985

SLV4985 is a Low VOC Universal Flattening Agent designed for use across product lines with compatible PPG clearcoats. Motor manufacturers have been introducing various degrees of gloss in basecoat clearcoat finishes for bumper, clad and trim colors.

There are five levels of gloss available for clearcoats ranging from flat to semi-gloss. Gloss levels are represented as FC01-FC05 for PPG brands. The level of SLV4985 in the formula will determine the degree of gloss.

Single stage topcoats are only offered in the three gloss levels of flat, eggshell, and semi-gloss.



Features

- Easy mixing ratios
- Produces consistent results
- Five available levels of gloss

Advantages

- Can be used in DELTRON[®], ENVIROBASE[®] High Performance, OMNI[®], SHOP-LINE[®], and VIBRANCE COLLECTION[®] clearcoats and single stage topcoats.

Benefits

- Customer satisfaction
- Versatility and reliability

Required Products

- SLV4985 Universal Flattening Agent LV

Related Products

- PPG brand clears and single stage topcoats.

Compatible Products

- ONECHOICE[®] SLV4985 Universal Flattening Agent LV is for use with PPG Brand clearcoats and single stage topcoats.

Note: When adding SLV4985 to recommended PPG brand products, please refer to the products' specific technical bulletin for proper application.

The chart below indicates the number of parts or grams of clear, flattening agent, hardener and reducer to make one ready to spray quart (32 oz.) of low gloss clearcoat in varying degrees of gloss ranging from flat to semi gloss. To mix one pint (16 oz.), divide each number by 2. Unless specified below, additional reducers and hardeners that may be used for a particular paint system will appear in the product bulletin for that system. The numbers of coats, application, and technique will determine final appearance. It is recommended to use a slower solvent for best overall results and to spray a test panel to verify final appearance. For additional ready to use volumes, refer to the PAINTMANAGER[®] program software.

All numbers are represented as NON-CUMULATIVE Parts (or Grams).

FC01/MC01=Flat		FC02/MC02= Matt		FC03/MC03=Eggshell		FC04/MC04=Satin		FC05/MC05=Semi-Gloss	
Product	Gloss Level	Clearcoat Parts (Grams)	SLV4985 Parts (Grams)	Hardener Parts (Grams)	Reducer Parts (Grams)	Bulletin			
Deltron									
DC4125	FC01	285 (253)	708 (628)	252 (223)	-	P-244			
	FC02	316 (280)	658 (583)	265 (235)	-				
	FC03	331 (293)	633 (561)	271 (240)	-				
	FC04	360 (319)	584 (518)	283 (251)	-				
	FC05	374 (332)	560 (497)	290 (257)	-				
Product	Gloss Level	Clearcoat Parts (Grams)	SLV4985 Parts (Grams)	Hardener Parts (Grams)	Reducer Parts (Grams)	Bulletin			
Envirobase High Performance									
EC520	FC01	202 (229)	519 (586)	166 (188)	270 (305)	EB-520 For VOC compliance, DT1855 reducer must be used with these blends			
	FC02	215 (243)	501 (566)	171 (193)	269 (304)				
	FC03	227 (257)	484 (547)	176 (199)	267 (302)				
	FC04	239 (270)	467 (528)	181 (199)	266 (301)				
	FC05	251 (284)	450 (509)	185 (209)	265 (299)				
EC530	FC01	256 (227)	319 (549)	128 (114)	250 (222)	EB-530 For VOC compliance, DT1855 reducer must be used with these blends.			
	FC02	304 (269)	560 (496)	140 (125)	248 (220)				
	FC03	320 (283)	540 (479)	144 (128)	247 (219)				
	FC04	351 (311)	502 (445)	152 (135)	245 (217)				
	FC05	366 (325)	483 (428)	156 (138)	244 (217)				
EC550	FC01	244 (217)	570 (506)	194 (172)	235 (209)	EB-550 For VOC compliance, DT1855 reducer must be used with these blends.			
	FC02	273 (242)	531 (471)	205 (182)	231 (205)				
	FC03	286 (254)	511 (454)	211 (187)	230 (204)				
	FC04	327 (290)	455 (404)	228 (202)	226 (201)				
	FC05	354 (314)	419 (372)	239 (212)	223 (198)				
EC800	FC01	342 (303)	533 (473)	137 (121)	256 (227)	EB-800			
	FC02	387 (343)	474 (420)	145 (129)	254 (225)				
	FC03	402 (356)	454 (403)	148 (131)	253 (225)				
	FC04	417 (369)	434 (385)	151 (134)	253 (224)				
	FC05	431 (382)	415 (368)	153 (136)	252 (224)				
Product	Gloss Level	Clearcoat Parts (Grams)	SLV4985 Parts (Grams)	Hardener Parts (Grams)	MR297 Reducer Parts (Grams)	Bulletin			
Omni									
MC730	FC01	356 (316)	566 (502)	125 (111)	-	OB59			
	FC02	390 (346)	524 (466)	131 (116)	-				
	FC03	423 (375)	485 (430)	137 (122)	-				
	FC04	456 (404)	445 (395)	143 (127)	-				
	FC05	472 (419)	426 (378)	146 (129)	-				
MC2910	FC01	334 (296)	717 (636)	238 (211)	-	OB58			
	FC02	387 (343)	640 (567)	259 (230)	-				
	FC03	421 (373)	590 (523)	273 (242)	-				
	FC04	454 (402)	542 (480)	286 (253)	-				
	FC05	502 (445)	471 (418)	305 (270)	-				
MC2980	FC01	342 (303)	608 (539)	306 (272)	-	OB62			
	FC02	372 (330)	562 (498)	317 (281)	-				
	FC03	401 (356)	516 (458)	328 (291)	-				
	FC04	430 (382)	471 (418)	339 (300)	-				
	FC05	459 (407)	428 (379)	349 (310)	-				
MTX	FC01	349 (309)	749 (663)	88 (78)	103 (91)	OB47			
	FC03	521 (461)	657 (581)	104 (92)	120 (106)				
	FC05	467 (431)	563 (498)	119 (105)	137 (121)				

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Product	Gloss Level	Clearcoat Parts (Grams)	SLV4985 Parts (Grams)	Hardener Parts (Grams)	JR557 Reducer Parts (Grams)	Bulletin
<i>Shop-Line</i>						
JC830	FC01	356 (316)	566 (502)	125 (111)	-	SL830
	FC02	390 (346)	525 (466)	131 (116)	-	
	FC03	423 (375)	485 (430)	137 (122)	-	
	FC04	456 (404)	445 (395)	143 (127)	-	
	FC05	472 (419)	426 (378)	146 (129)	-	
JC7200	FC01	342 (303)	608 (539)	306 (272)	-	SL7200
	FC02	372 (330)	562 (498)	317 (281)	-	
	FC03	401 (356)	516 (458)	328 (291)	-	
	FC04	430 (382)	471 (418)	339 (300)	-	
	FC05	459 (407)	428 (379)	349 (310)	-	
JTX	FC01	349 (309)	749 (663)	88 (78)	103 (91)	SLJTX
	FC03	521 (461)	657 (581)	104 (92)	120 (106)	
	FC05	467 (431)	563 (498)	119 (105)	137 (121)	
Product	Gloss Level	Clearcoat Parts (Grams)	SLV4985 Parts (Grams)	VH7780/VH7795 Hardener Parts (Grams)	DT1855/D8767 Reducer Parts (Grams)	Bulletin
<i>Vibrance Collection</i>						
VC5700	FC01	231 (205)	498 (442)	164 (145)	413 (366)	VB-24
	FC02	243 (216)	481 (427)	169 (150)	411 (365)	
	FC03	280 (248)	430 (381)	183 (162)	405 (360)	
	FC04	292 (259)	413 (366)	187 (166)	404 (358)	
	FC05	304 (270)	397 (352)	192 (170)	402 (356)	

	<i>Deltron</i>		<i>Envirobase</i>
Topcoat System:	DC4125		EC520
Gloss Levels*	FC01 - FC05		FC01 - FC05
Applicable Use Category	Clear Coating		Clear Coating
VOC Actual (g/L)	101-115		52
VOC Actual (lbs./gal)	0.84-0.95		0.43
VOC Regulatory (less water less exempt (g/L)	213-218		134-144
VOC Regulatory (less water less exempt (lbs./gal)	1.78-1.82		1.12-1.20
Density (g/L)	1142-1165		1213-1221
Density (lbs./gal)	9.53-9.72		10.13-10.19
Volatiles wt. %	59.3-65.1		69.5-72.0
Water wt. %	0.0-0.0		0.0
Exempt wt. %	49.2-56.4		65.2-67.7
Water vol. %	0.0-0.0		0.0
Exempt vol. %	46.1-53.3		61.7-64.5

*See specific weight ratios of components: topcoat, SLV4985, hardener and thinner needed to meet gloss targets.

	<i>Envirobase</i>	<i>Envirobase</i>	<i>Envirobase</i>
Topcoat System:	EC530	EC550	EC800
Gloss Levels*	FC01 - FC05	FC01 - FC05	FC01-FC05
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating
VOC Actual (g/L)	47-48	48-49	75-81
VOC Actual (lbs./gal)	0.39-0.40	0.40-0.41	0.62-0.68
VOC Regulatory (less water less exempt (g/L)	127-146	119-137	217-220
VOC Regulatory (less water less exempt (lbs./gal)	1.06-1.22	0.99-1.14	1.81-1.84
Density (g/L)	1228-1234	1221-1227	1166-1183
Density (lbs./gal)	10.25-10.30	10.19-10.24	9.73-9.87
Volatiles wt. %	70.4-73.9	67.3-71.5	73.1-75.0
Water wt. %	0.0-0.0	0.0	0.0-0.1
Exempt wt. %	66.6-70.0	63.4-67.5	66.1-68.5
Water vol. %	0.0-0.0	0.0	0.0-0.1
Exempt vol. %	63.5-67.2	60.1-64.5	63.0-65.6

*See specific weight ratios of components: topcoat, SLV4985, hardener and thinner needed to meet gloss targets.

	<i>Omni</i>	<i>Omni</i>	<i>Omni</i>
Topcoat System:	MC730	MC2910	MC2980
Gloss Levels*	FC01-FC05	FC01-FC05	FC01-FC05
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating
VOC Actual (g/L)	105-121	84-95	91-111
VOC Actual (lbs./gal)	0.88-1.01	0.70-0.79	0.75-0.92
VOC Regulatory (less water less exempt (g/L)	236-250	212-215	244-243
VOC Regulatory (less water less exempt (lbs./gal)	1.97-2.09	1.77-1.79	2.04-2.03
Density (g/L)	1188-1196	1203-1211	1137-1176
Density (lbs./gal)	9.91-9.98	10.04-10.11	9.49-9.81
Volatiles wt. %	66.3-67.8	68.1-71.3	67.5-73.1
Water wt. %	0.0-0.0	0.0-0.0	0.0-0.0
Exempt wt. %	56.1-59.0	60.2-64.4	57.7-65.3
Water vol. %	0.0-0.0	0.0-0.0	0.0-0.0
Exempt vol. %	51.78-55.3	55.7-60.8	54.4-62.4

*See specific weight ratios of components: topcoat, SLV4985, hardener and thinner needed to meet gloss targets.

	<i>Omni</i>
Topcoat System:	MTX
Gloss Levels*	FC01-FC05
Applicable Use Category	Single Stage Coating
VOC Actual (g/L)	141-167
VOC Actual (lbs./gal)	1.17-1.39
VOC Regulatory (less water less exempt (g/L)	297-307
VOC Regulatory (less water less exempt (lbs./gal)	2.48-2.56
Density (g/L)	1232-1250
Density (lbs./gal)	10.28-10.43
Volatiles wt. %	65.0-68.9
Water wt. %	0.0-0.0
Exempt wt. %	50.4-57.0
Water vol. %	0.0-0.0
Exempt vol. %	46.2-52.9

*See specific weight ratios of components: topcoat, SLV4985, hardener and thinner needed to meet gloss targets.

	<i>Shop-Line</i>	<i>Shop-Line</i>	<i>Shop-Line</i>
Topcoat System:	JC830	JC7200	JTX
Gloss Levels*	FC01-FC05	FC01-FC05	FC01-FC05
Applicable Use Category	Clear Coating	Clear Coating	Single Stage Coating
VOC Actual (g/L)	105-121	91-111	141-167
VOC Actual (lbs./gal)	0.88-1.01	0.75-0.92	1.17-1.39
VOC Regulatory (less water less exempt (g/L)	236-250	244-243	297-307
VOC Regulatory (less water less exempt (lbs./gal)	1.97-2.09	2.04-2.03	2.48-2.56
Density (g/L)	1188-1196	1137-1176	1232-1250
Density (lbs./gal)	9.91-9.98	9.49-9.81	10.28-10.43
Volatiles wt. %	66.3-67.8	67.5-73.1	65.0-68.9
Water wt. %	0.0-0.0	0.0-0.0	0.0-0.0
Exempt wt. %	56.1-59.0	57.7-65.3	50.4-57.0
Water vol. %	0.0-0.0	0.0-0.0	0.0-0.0
Exempt vol. %	51.78-55.3	54.4-62.4	46.2-52.9

*See specific weight ratios of components: topcoat, SLV4985, hardener and thinner needed to meet gloss targets.

	<i>Vibrance</i>
Topcoat System:	VC5700
Gloss Levels*	FC01-FC05
Applicable Use Category	Clear Coating
VOC Actual (g/L)	89-101
VOC Actual (lbs./gal)	0.74-0.94
VOC Regulatory (less water less exempt (g/L)	243-246
VOC Regulatory (less water less exempt (lbs./gal)	2.03-2.05
Density (g/L)	1212-1222
Density (lbs./gal)	10.11-10.2
Volatiles wt. %	71.9-75.1
Water wt. %	0.0-0.0
Exempt wt. %	63.6-67.9
Water vol. %	0.0-0.0
Exempt vol. %	59.2-63.9

*See specific weight ratios of components: topcoat, SLV4985, hardener and thinner needed to meet gloss targets.

Technical Data

Total dry film build:

Minimum	2.0 mils
Maximum	3.0 mils
Film build per wet coat	2.4 - 3.5 mils
Dried film build per coat	1.0 mil

Theoretical coverage 361 - 654 sq. ft. / US gal.

(Theoretical coverage in sq. ft. US/gal. Ready-to-spray (RTS), giving 1 mil dry film thickness)

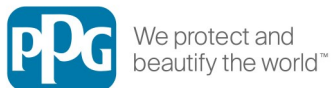
Percent solids by volume RTS 22.5 - 40.8%

Percent solids by weight RTS 22.8 - 41.7%

See Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.



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