

V-Prime[™] LV Acrylic Urethane Surfacer

DPLV3051 White DPLV3055 Gray DPLV3057 Dark Gray

DPLV305x V-Prime[™]LV are premium quality, low VOC, acrylic urethane primer surfacers. They are available in white, gray and dark gray and are suitable for the wide range of day-to-day repair work done in today's refinish body shops.

V-Prime[™]LV offers excellent adhesion, film build, surface leveling and gloss holdout over a wide range of substrates. This versatile, quick drying, easy to apply and sand primer may be applied as a conventional spray filler or primer surfacer.



Features

- Fast Dry
- Superior Holdout

Advantages

- Fast to Topcoat
- Less Solvent Penetration

Benefits

- Faster Process Times
- Excellent Gloss Retention

Compatible Surfaces

DPLV305x V-Prime[™] LV may be applied over:

- Properly cleaned and sanded fiberglass
- Properly cleaned and sanded E-Coat
- Cured and sanded OEM finishes
- at Deltron[®] Plastic Adhesion Promoter or etch primer*
 DP Epoxy Primer LF*

· Properly prepared and treated bare steel and aluminum

* Prime complete panels or extend DPLV305x *V-Prime*[™]*LV* surfacer applications well beyond the first primer (or exposed substrate) and maintain a minimum dry film of 2.0 mils after sanding. Insufficient *V-Prime*[™]*LV* films may result in lifting on color applications.

Required Products

	Hardener
Undercoat Hardener	DHLV3030
	Thinner
Normal Compliant Thinner	DT1845
Medium Compliant Thinner	DT1850
Slow Compliant Thinner	DT1855



DPLV3051 / DPLV3055 / DPLV3057

Directions for Use

Preparation:



- Wash the area to be painted with soap and water, then clean with appropriate PPG Cleaner .
- Sand the bare metal areas completely with 80-180 grit abrasive. Sand old finishes with 320 – 400 grit dry by hand or machine or 600 grit wet. Exposed bare metal should be spot primed with a suitable bare metal primer.
- Re-clean with the appropriate PPG cleaner.
- Prime aluminum substrate within 8 hours.
- Prime carbon steel immediately after cleaning.

Mixing Ratio:



As a spray filler

DPLV305x : DHLV3030 Hardener 4 : 1



DPLV305x	:	DHLV3030 Hardener	:	Compliant Thinner
4	:	1	:	1
		plete panels or extend D d the first primer (or exp		
film o	of 2.0) mils after sanding. Insu pplications.		
film o	of 2.0 olor aj) mils after sanding. Insu pplications.	ficien	

Tinting:

Not recommended

Additives:					
		SLV814 Universal Flexibiliz <i>V-Prime™ LV</i> Acrylic Urethan	V814 to the ready-to-spray		
	AB	Ready-To-Spray DPLV305x	: SLV814 Flexibili	ver	
		10	: 1		
Application:			4 611		
			As a spray filler	As a primer surfacer	
	R	Apply:	Up to a maximum of 4 wet coats	2 to 3 wet coats	
Air Pressure:					
		HVLP at air cap	10 PSI		
		Conventional at spray gun	40 – 45 P	SI	
Spray Gun Set-up:					
			As a spray filler	As a primer surfacer	
	>	Fluid Tip:	1.7 – 2.0 mm or equiv.	1.6 – 1.8 mm or equiv.	
		Spray Viscosity:	20 – 25 seconds #2 Zahn @ 70°F / 21°C	20 – 25 seconds #2 Zahn @ 70°F / 21°C	
		Film build per wet coat	5.0 mils	4.0 mils	
		Dried film build per coat	2.0 mils	1.5 mils	

Directions for Use

Drying times:

			A	A		
			As a spray filler	As a primer surfacer		
	Between	coats	5 – 10 minutes	5-10 minutes		
	Before Ba	e	N/A	10 minutes		
	Dust-free 70°F/		15 minutes	15 minutes		
	Dry to ha 70°F /		60 minutes	60 minutes		
	Dry to Sa 70°F / 140°F		our dry, preferably overnight Do not force dry	$\frac{1^{1}}{_{2}}$ hours 30 minutes		
	IR (Infrar	ed)				
		dium wave rt wave	Do not force dry Do not force dry	20 minutes 10 minutes		
	Overcoat	pr	The application of a compatible sealer is the preferred recommendation prior to topcoating DPLV305x with color.			
Compatible Topcoats:		C 1	CONCEPT [®] (DCC) Acrulic	Urethane		
	DAS3025 <i>V-Seal</i> [™] Acrylic Urethan	ne Sealer	<i>CONCEPT</i> ® (DCC) Acrylic Urethane <i>CONCEPT</i> ® LV (CLV) Acrylic Urethane Color			
	DPLF Epoxy Primer		-			
	DX54 ROADGUARD® Chip Resi	•		DELSTAR [®] / DELTHANE [®] (DAR/DXR80) Polyurethane		
	K36 <i>PRIMA</i> [™] Acrylic Urethane W	/et-on-Wet Sealer				
	K93 Tintable Primer (as a sealer)		DELTRON® (DBU) Universal Basecoat			
	NCS2000 Series Sealers SX1056 Flexible 2K Sealer (Specialty Performance F					
	NCS1990 Compliant Wet-On-Wet Sealer					
	*DPLV305x must be sealed before	applying black L	JBC			
Equipment Cleaning:	Spray guns, gun cups, storage pots with any PPG General Purpose So					
Technical Data:	DDIV205 UD ' MULA		unner or D1 Reducer.			
	DPLV305X V-Prime LV Acr	vlic Urethane S				
	DPLV305x V-Prime [™] LV Acr RTS Combinations:	ylic Urethane S DPLV305X : DHLV3030	urfacer DPLV305X : DHLV303			
		DPLV305X :	urfacer DPLV305X : DHLV303	0 : DPLV305X : DHLV3030		
	RTS Combinations:	DPLV305X : DHLV3030	urfacer DPLV305X : DHLV303(DT18XX	0 : DPLV305X : DHLV3030 DT18XX + SLV814		
	RTS Combinations: Volume Ratio:	DPLV305X : DHLV3030 4 : 1	urfacer DPLV305X : DHLV303 DT18XX 4 : 1 : 1	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10%		
	RTS Combinations: Volume Ratio: Applicable Use Category	DPLV305X : DHLV3030 4 : 1 Primer	DPLV305X : DHLV303 DPLV305X : DHLV303 DT18XX 4 : 1 : 1 Primer	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l)	DPLV305X : DHLV3030 4 : 1 Primer 137 - 142	DPLV305X : DHLV303 DT18XX 4 : 1 : 1 Primer 114 - 119	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory	DPLV305X : DHLV30300 4 : 1 Primer 137 - 142 1.15 - 1.19	DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory	DPLV305X : DHLV30300 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249	DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal)	DPLV305X : DHLV30300 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08	DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal) Density (g/l)	DPLV305X : DHLV30300 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08 1505 - 1556	DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00 1414 - 1493		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal) Density (g/l) Density (lbs/gal)	DPLV305X : DHLV3030 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08 1505 - 1556 12.56 - 12.98	DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497 12.14 - 12.49	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00 1414 - 1493 11.80 - 12.46		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal) Density (g/l) Density (lbs/gal) Volatiles wt. %	DPLV305X : DHLV3030 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08 1505 - 1556 12.56 - 12.98 45.9 - 48.1	Burfacer DPLV305X : DHLV303(DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497 12.14 - 12.49 53.2 - 55.2	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00 1414 - 1493 11.80 - 12.46 54.0 - 57.3		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal) Density (g/l) Density (lbs/gal) Volatiles wt. %	DPLV305X : DHLV3030 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08 1505 - 1556 12.56 - 12.98 45.9 - 48.1 0.0	DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497 12.14 - 12.49 53.2 - 55.2 0.0	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00 1414 - 1493 11.80 - 12.46 54.0 - 57.3 0.0		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal) Density (g/l) Density (lbs/gal) Volatiles wt. % Water wt. % Exempt wt. %	DPLV305X : DHLV3030 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08 1505 - 1556 12.56 - 12.98 45.9 - 48.1 0.0 37.1 - 38.6	Burfacer DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497 12.14 - 12.49 53.2 - 55.2 0.0 45.6 - 47.1	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00 1414 - 1493 11.80 - 12.46 54.0 - 57.3 0.0 46.7 - 49.6		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal) Density (g/l) Density (lbs/gal) Volatiles wt. % Water wt. % Exempt wt. % Water vol. %	DPLV305X : DHLV3030 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08 1505 - 1556 12.56 - 12.98 45.9 - 48.1 0.0 37.1 - 38.6 0.0	Burfacer DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497 12.14 - 12.49 53.2 - 55.2 0.0 45.6 - 47.1 0.0 52.5 - 52.8	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00 1414 - 1493 11.80 - 12.46 54.0 - 57.3 0.0 46.7 - 49.6 0.0		
	RTS Combinations: Volume Ratio: Applicable Use Category VOC Actual (g/l) VOC Actual (lbs/gal) VOC Regulatory (less water less exempt) (g/l) VOC Regulatory (less water less exempt) (lbs/gal) Density (g/l) Density (lbs/gal) Volatiles wt. % Water wt. % Exempt wt. % Water vol. %	DPLV305X : DHLV3030 4 : 1 Primer 137 - 142 1.15 - 1.19 240 - 249 2.0 - 2.08 1505 - 1556 12.56 - 12.98 45.9 - 48.1 0.0 37.1 - 38.6 0.0 43.0 - 43.3	Burfacer DPLV305X : DHLV3030 DT18XX 4 : 1 : 1 Primer 114 - 119 0.96 - 0.99 240 - 249 2.0 - 2.08 1455 - 1497 12.14 - 12.49 53.2 - 55.2 0.0 45.6 - 47.1 0.0 52.5 - 52.8	0: DPLV305X:DHLV3030 DT18XX + SLV814 4:1:1+10% Primer 108 - 111 0.89 - 0.92 230 - 240 1.92 - 2.00 1414 - 1493 11.80 - 12.46 54.0 - 57.3 0.0 46.7 - 49.6 0.0		

AChromatic Gray Mixing Chart V-PRIME[™] LV Acrylic Urethane Surfacers

Use this chart as a guide to mix the G1 – G7 ratios to achieve better hiding when mixing the V- Prime^m LV Acrylic Urethane Surfacers.

Mix Ratio By Volume			Mix Ratio By Cumulative Weight Parts			
	Mix Rat	tio	¹ /4 Pint	¹ /2 Pint	Pint	Quart
G1	DPLV3051	4	142	285	574	1158
	DHLV3030	1	171	340	686	1383
	DT1855	1	200	400	806	1624
G2	DPLV3051		136	271	547	1104
	DPLV3055	N/A	142	285	575	1159
	DHLV3030		169	340	677	1383
	DT1855		200	400	797	1625
G3	DPLV3051	3	106	213	430	869
	DPLV3055	1	142	285	575	1159
	DHLV3030	1	169	340	686	1384
	DT1855	1	200	400	806	1626
G4	DPLV3051		47	95	191	386
	DPLV3055	_ N/A _	142	286	576	1163
	DHLV3030		171	341	687	1388
	DT1855		200	401	807	1628
G5	DPLV3055	4	143	286	577	1164
	DHLV3030	1	171	341	688	1389
	DT1855	1	200	401	808	1629
G6	DPLV3055		91	183	369	743
	DPLV3057	N/A	139	279	563	1131
	DHLV3030		167	334	675	1355
	DT1855		197	393	794	1597
G7	DPLV3057	4	138	275	555	1119
	DHLV3030	1	165	330	667	1343
	DT1855	1	195	390	786	1584



Important:

The contents of this package must be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

See Material 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 general 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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