DELTRON®

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
- Properly prepared and treated bare steel and aluminum
- *Deltron*® Plastic Adhesion Promoter or etch primer*
- DP Epoxy Primer LF*

* 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

PPG

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

As a primer surfacer

DPLV305x	:	DHLV3030 Hardener	:	Compliant Thinner
4	:	1	:	1

Note: 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.

Pot Life @ 70°F / 21°C — 30 minutes as a *Spray Filler*; 1 hour as a *Primer Surfacer*

Tinting:

Not recommended

Additives:

DX814 Universal Flexibilizer may be added with 10% DX814 to the ready-to-spray *V-Prime™ LV* Acrylic Urethane Surfacer

Ready-To-Spray DPLV305x	:	DX814 Flexibilizer
10	:	1

Application:

	As a spray filler	***As a primer surfacer***
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 PSI

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:

	As a spray filler	*As a primer surfacer*
Between coats	5 – 10 minutes	5 – 10 minutes
Before Baking	N/A	10 minutes
Dust-free *70°F / 21°C*	15 minutes	15 minutes
Dry to handle *70°F / 21°C*	60 minutes	60 minutes
Dry to Sand *70°F / 21°C* *140°F / 60°C*	6 hour dry, preferably overnight Do not force dry	1 1/2 hours 30 minutes
IR (Infrared)		
IR medium wave	Do not force dry	20 minutes
IR short wave	Do not force dry	10 minutes
Overcoat with	The application of a compatible sealer is the preferred recommendation prior to topcoating DPLV305x with color.	

Compatible Topcoats:

DAS3025 *V-Seal*™ Acrylic Urethane Sealer
DPLF Epoxy Primer
DX54 *ROADGUARD*® Chip Resistant Coating
K36 *PRIMA*™ Acrylic Urethane Wet-on-Wet Sealer
K93 Tintable Primer (as a sealer)
NCS2000 Series Sealers
NCS1990 Compliant Wet-On-Wet Sealer
CONCEPT® (DCC) Acrylic Urethane
CONCEPT® LV (CLV) Acrylic Urethane Color
DELSTAR® / *DELTHANE*® (DAR/DXR80) Polyurethane
DELTRON® 2000 (DBC) Basecoat*
DELTRON® (DBU) Universal Basecoat
SX1056 Flexible 2K Sealer (Specialty Performance Products)
*DPLV305x must be sealed before applying black DBC

Equipment Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any PPG General Purpose Solvent, Lacquer Thinner or DT Reducer.

Technical Data:

DPLV305x *V-Prime*™ *LV* Acrylic Urethane Surfacer

	As a spray filler	*As a primer surfacer*
VOC (PKG) per US Gal	5.79 lbs	5.79 lbs
VOC (RTS) per US Gal	2.1 lbs	2.1 lbs
Total Solids by Weight (RTS)	52%	44%
Total Solids by Volume (RTS)	40%	33.4%
Sq. Ft Coverage / US Gal (RTS)	Approx. 642 sq. ft.	Approx. 536 sq. ft.
Recommended wet film build per coat	5.0 mils	4.0 mils
Recommended dry film build per coat	2.0. mils	1.5. mils

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™ LV Acrylic Urethane Surfacers.

Mix Ratio By Volume			Mix Ratio By Cumulative Weight Parts			
	Mix Ratio		1/4 Pint	***½ Pint***	Pint	***Quart***
G1	**DPLV3051**	**4**	142	***285***	574	***1158***
	DHLV3030	**1**	171	***340***	686	***1383***
	DT1855	**1**	200	***400***	806	***1624***
G2	**DPLV3051**	**N/A**	*136*	***271***	*547*	***1104***
	DPLV3055		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**	**N/A**	47	***95***	191	***386***
	DPLV3055		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**	**N/A**	91	***183***	369	***743***
	DPLV3057		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***

DPLV3051 White
DPLV3055 Gray
DPLV3057 Dark Gray

V-Prime™ LV Acrylic Urethane Surfacers

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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