



## GENERAL INFORMATION

Low-VOC, neutral-colored, extreme-demand epoxy primer base. Formulated for harsh Fleet/OE environments. Excellent adhesion, durability and corrosion resistance. Must be combined with five (5) CPS Toners to create a large range of Colored Primers.



## 1. COMPONENTS

- 999VPLV CPS Epoxy Primer Base Low VOC
- CPS 1-5 CPS Hi Opacity Tints
- VPC210 Epoxy Primer Activator Medium
- 171 Reducer Fast
- 172 Reducer Medium
- 173 Reducer Slow
- 174 Reducer Very Slow
- LVBF100 Reducer Fast Low VOC
- LVBM100 Reducer Medium Low VOC
- LVBS100 Reducer Slow Low VOC
- 171HP Reducer High Performance Fast
- 172HP Reducer High Performance Medium
- 173HP Reducer High Performance Slow
- 174HP Reducer High Performance Very Slow
- X01 Reducer Fast Low VOC
- X02 Reducer Medium Low VOC



## 2. MIXING RATIO

- Mix three (3) parts 999VPLV to one (1) part CPS 1-5 to create desired color then activate and reduce for desired application

### AS PRIMER SURFACER- 4:1:1 (by volume)

- Mix four (4) parts 999VPLV mixed color to one (1) part VPC210 activator and reduce with one (1) part solvents or reducers listed above

### USA/Canada VOC compliant rules:

- For VOC 3.5 compliant use 170 or 170HP Series Reducers
- For VOC 2.1 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers

### AS PRIMER SEALER- 4:1:2 (by volume)

- Mix four (4) parts 999VPLV mixed color to one (1) part VPC210 activator and reduce with two (2) parts solvents or reducers listed above

### USA/Canada VOC compliant rules:

- For VOC 4.6 compliant use 170 or 170HP Series Reducers
- For VOC 2.1 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers



## 3. POT LIFE @ 77°F (25°C)

- 90 minutes



## 4. CLEAN UP

- Use Valspar Refinish Reducers listed above (check local regulations)



## 5. ADDITIVES

- N/A



## 6. SURFACE PREPARATION

- Wash surface with mild detergent and water
- Rinse and dry surface
- Wipe surface with 170 Aqua Clean (steel/aluminum) and wipe dry with clean cloth before product flashes
- Sand and featheredge substrate with P220 (Primer Surfacer) or P320 (Primer Sealer) grit sandpaper or wet equivalent
- Clean surface with 170 Aqua Clean and wipe dry with clean cloth before product flashes



## 7. Topcoats

- N/A



## 8. TECH NOTES

- N/A



## 9 SUBSTRATES

- Properly cleaned and sanded aluminum, steel, galvanized steel or sand blasted steel
- Properly cleaned and sanded fiberglass and SMC
- Properly cleaned and sanded OEM finishes

**NOTE: Do Not Apply Over Self Etching Primers**



## 10. APPLICATION

- Apply one (1) to three (3) medium wet coats allowing each coat proper flash before applying another to achieve a dry film thickness of 0.5 - 2 mils/10 - 50 µm



## 11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Flash Time	10-15 Minutes
To Sand	4 Hours
To Topcoat	30 Minutes
To Topcoat without Sanding	24 Hours (Max.)



## 12. INFRARED CURE

- N/A



## 13. GUN SET UP

CONVENTIONAL GUN	
Gravity Feed	1.6 mm - 1.8 mm
Siphon Feed	1.6 mm - 2.0 mm
HVLP	
Gravity Feed	1.3 mm - 1.8 mm

## AIR PRESSURES

Conventional @ Gun	
Gravity Feed	30-40 psi (2.0-2.8 bar)
Siphon Feed	35-45 psi (2.5-3.1 bar)
HVLP Inlet Air	
	20-30 psi (1.5-2.0 bar)

See spray gun manufacturer info

If used as instructed, this product is designed to comply with VOC standards in low-VOC jurisdictions. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.



## 14. PHYSICAL DATA

FOR USA/Canada (3.5/2.1 LBS./GAL Compliance)

RTS REGULATORY DATA	4:1:1		4:1:1	
	(170 or 170HP Series Reducers)		(X01, X02 or LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
Actual VOC	2.6 Max.	315 Max.	1.1 Max.	138 Max.
Regulatory VOC (less water and exempt solvents)	3.5 Max.	420 Max.	2.1 Max.	250 Max.
Density	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT. %	VOL. %	WT. %	VOL. %
Total Solids Content	45 - 55	30 - 40	40 - 50	30 - 40
Total Volatile Content	45 - 55	60 - 70	50 - 60	60 - 70
Water	0	0	0	0
Exempt Compound Content	25 - 35	25 - 35	40 - 60	45 - 55
Coating Category	Primer Surfacer			

**NOTE:** US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.

FOR USA/Canada (4.6/2.1 LBS./GAL Compliance)

RTS REGULATORY DATA	4:1:2		4:1:2	
	(170 or 170HP Series Reducers)		(X01, X02 or LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
Actual VOC	3.4 Max.	415 Max.	1.0 Max.	125 Max.
Regulatory VOC (less water and exempt solvents)	4.6 Max.	550 Max.	2.1 Max.	250 Max.
Density	9 - 11	1080 - 1320	9 - 11	1080 - 1320
	WT. %	VOL. %	WT. %	VOL. %
Total Solids Content	40 - 50	30 - 40	35 - 45	25 - 35
Total Volatile Content	50 - 60	60 - 70	55 - 65	65 - 75
Water	0	0	0	0
Exempt Compound Content	25 - 35	25 - 35	50 - 60	50 - 60
Coating Category	Primer Sealer			

**NOTE:** US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.



## 14. PHYSICAL DATA (continued)

FOR REST-OF-WORLD (outside US and Canada):

RTS REGULATORY DATA	4:1:1		4:1:2	
	(170 or 170HP Series Reducers)		(170 or 170HP Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
VOC	5.8 Max.	696 Max.	6.5 Max.	780 Max.
Density	10 - 12	1200 - 1440	9 - 11	1080 - 1320
	WT. %	VOL. %	WT. %	VOL. %
Total Solids Content	45 - 55	30 - 40	40 - 50	30 - 40
Total Volatile Content	45 - 55	60 - 70	50 - 60	60 - 70
Water	0	0	0	0
Coating Category	Primer Surfacer		Primer Sealer	

## NOTES

If used as instructed, this product is designed to comply with VOC standards in low-VOC jurisdictions. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.