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999VP50 **CPS Epoxy Primer Base**

GENERAL INFORMATION

Neutral-colored, extreme-demand epoxy primer base. Formulated for harsh Fleet/OE environments. Mixed as a surfacer, 999VP50 provides excellent adhesion, durability, and water/corrosion resistance. Mixed as a sealer, 999VP50 provides excellent final color uniformity. Multiple activators allow precise application control. Must be used with five (5) CPS Toners to create a large range of Colored Primers.

1. COMPONEN	ITS
• 999VP50	CPS Epoxy Primer Base
• CPS1-5	CPS Hi Opacity Tints
• VPC50	Epoxy Primer Activator Medium
VPC5X	Epoxy Primer Activator Fast
• 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
• X01	Reducer Fast Low VOC
• X02	Reducer Medium Low VOC
• 171HP	Reducer High Performance Fast
• 172HP	Reducer High Performance Medium
• 173HP	Reducer High Performance Slow
• 174HP	Reducer High Performance Very Slow

2. MIXING RATIO

For proper mixing, the CPS Toners MUST be used:

• Mix three (3) parts 999VP50 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 999VP50 mixed color to one (1) part VPC50 or VPC5X activator and reduce with one (1) part solvents or reducers listed above

USA VOC compliant rules:

- For VOC 4.8 compliant use 170 or 170HP Series Reducers
- For VOC 2.8 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers

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

 Mix four (4) parts 999VP50 mixed color to one (1) part VPC50 or VPC5X 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 2.8 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers



POT LIFE @ 77°F (25°C) 90 minutes

Use Valspar Refinish Reducers listed above (check local regulations)

5. ADDITIVES • N/A

4. CLEAN UP



6. SURFACE PREPARATION

- · Wash surface with mild detergent and water
- · Rinse and dry surface
- Wipe surface with 155 Surface Cleaner (steel) or 170 Agua 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 155 Surface Cleaner or 170 Aqua Clean and wipe dry with clean cloth before product flashes





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

- · Spray one (1) to two (2) medium wet coats allowing 15-20 minutes between coats
- NOTE: Do not spray when surface temperature is below 50°F (10°C)

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11. FLASH / DRY TIMES AIR DRY @ 77°F (25°C)

Flash Time	15-20 Minutes
To Sand	3-4 Hours
To Topcoat w/VPC50 Activator	2 Hours
To Topcoat w/VPC5X Activator	30 Minutes
To Topcoat without sanding	24 Hours (max.)

FORCE DRY @ 140°F (60°C)

To To	opcoat with VPC50	30 Minutes
To S	and after cool down	60 Minutes



12. INFRARED CURE

See Infrared Curing Information



13. GUN SET UP

If used as instructed, this product is designed to comply with the US and Canadian National Volatile Organic Compound (VOC) Emission Standard for Automobile Refinish In used as Instructed, this product is designed to comply with the US and Canadian National Volatile Organic Compound (VOC) Emission Standard for Automobile Refinish Coatings. 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. Revised 7 March 2017 © 2017 The Valspar Corporation. All rights reserved.

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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		

14. PHYSICAL DATA

FOR USA (4.8/2.8 LBS./GAL Compliance)

	4:1:1		4:1:1	
RTS REGULATORY DATA	(170 or 170HP Series Reducers)		(X01, X02 or LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
Actual VOC	4.6 Max.	550 Max.	2.1 Max.	255 Max.
Regulatory VOC (less water and exempt solvents)	4.8 Max.	580 Max.	2.8 Max.	340 Max.
Density	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	55 - 65	35 - 45	55 - 60	40 - 50
Total Volatile Content	35 - 45	55 - 65	40 - 45	50 - 60
Water	0	0	0	0
Exempt Compound Content	5 - 15	5 - 15	20 - 30	25 - 35
Coating Category	Primer Surfacer			

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

14. PHYSICAL DATA (Continued)

FOR USA/Canada (4.6/2.8 LBS./GAL Compliance)

	4:1:2		4:1:2	
RTS REGULATORY DATA	(170 or 170HP Series Reducers		(X01, X02 or LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
Actual VOC	4.4 Max.	525 Max.	1.8 Max.	221 Max.
Regulatory VOC (less water and exempt solvents)	4.6 Max.	550 Max.	2.8 Max.	340 Max.
Density	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	50 - 60	30 - 40	45 - 55	30 - 40
Total Volatile Content	40 - 50	60 - 70	45 - 55	60 - 70
Water	0	0	0	0
Exempt Compound Content	5 - 15	5 - 15	30 - 40	35 - 45
Coating Category	Primer Sealer			

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

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

	4:1:1		4:1:2	
RTS REGULATORY DATA	(170 or 170HP Series Reducers)		(170 or 170HP Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
VOC	4.8 Max.	580 Max.	5.5 Max.	660 Max.
Density	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	55 - 65	35 - 45	50 - 60	30 - 40
Total Volatile Content	35 - 45	55 - 65	40 - 50	60 - 70
Water	0	0	0	0
Coating Category	Primer Surfacer		Primer Sealer	

NOTES

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