



GENERAL INFORMATION

Extreme-demand epoxy primer formulated for harsh fleet/OE environments. A versatile, productive system. Mixed as a surfacer, VP50 provides excellent adhesion, durability, and water/corrosion resistance. Mixed as a sealer, VP50 provides excellent final color uniformity. Multiple activators that allow precise application control.



1. COMPONENTS

- VP50 Epoxy Primer Buff
- 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
- 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

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

- Mix four (4) parts VP50 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 VP50 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



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 155 Surface Cleaner (steel) or 170 Aqua Clean (steel/aluminum) and wipe dry with clean cloth before product flashes
- Sand and featheredge substrate with P220 (Primer) or P320 (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

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

- 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)



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 Topcoat with VPC50	30 Minutes
To Sand after cool down	60 Minutes



12. INFRARED CURE

- See Infrared Curing Information



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 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.



14. PHYSICAL DATA
FOR USA (4.8/2.8 LBS./GAL Compliance)

RTS REGULATORY DATA	4:1:1 (170 or 170HP Series Reducers)		4:1:1 (X01, X02 and LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
	Actual VOC	4.6 Max.	550 Max.	2.45 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	60 - 70	40 - 50	60 - 70	40 - 50
Total Volatile Content	30 - 40	50 - 60	30 - 40	50 - 60
Water	0	0	0	0
Exempt Compound Content	5 - 15	5 - 15	15 - 30	15 - 30
Coating Category	Primer Surfacer			

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

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

RTS REGULATORY DATA	4:1:2 (170 or 170HP Series Reducers)		4:1:2 (X01, X02 and LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
	Actual VOC	4.4 Max.	525 Max.	2.0 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	55 - 65	35 - 45	50 - 60	35 - 45
Total Volatile Content	35 - 45	55 - 65	40 - 50	55 - 65
Water	0	0	0	0
Exempt Compound Content	5 - 15	5 - 15	25 - 35	30 - 40
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 (170 or 170HP Series Reducers)		4:1:2 (170 or 170HP Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
	VOC	4.8 Max.	580 Max.	5.0 Max.
Density	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT. %	VOL. %	WT. %	VOL. %
Total Solids Content	60 - 70	40 - 50	55 - 65	35 - 45
Total Volatile Content	30 - 40	50 - 60	35 - 45	55 - 65
Water	0	0	0	0
Coating Category	Primer Surfacer		Primer Sealer	

NOTES

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