LVPB200/LVPW200 Low VOC Primer/Surfacer/Sealers

GENERAL INFORMATION

Valspar Low VOC system provides an environmentally friendly and economical solvent solution using our trademark Clean Air® formula technology while maintaining the consistent quality that Valspar is known for. LVPB200/LVPW200 is a Direct to Metal High Build Primer Surfacer and Primer Sealer for use on a number of different substrates. No etching required.

1. COMPONENTS

• LVPB200	Epoxy Acrylic Surfacer/Sealer - Black
• LVPW200	Epoxy Acrylic Surfacer/Sealer - White
• LVCA200	Curing Agent Low VOC
• LVBF100	Reducer Fast Low VOC
• LVBM100	Reducer Medium Low VOC
• LVBS100	Reducer Slow Low VOC
• 171	Reducer Fast
• 172	Reducer Medium
• 173	Reducer Slow
• 174	Reducer Very Slow
• 171HP	Reducer High Performance Fast
• 172HP	Reducer High Performance Medium
• 173HP	Reducer High Performance Slow
• 174HP	Reducer High Performance Very Slow

2. MIXING RATIO

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

• Mix four (4) parts LVPB200 or LVPW200 to one (1) part LVCA200 Curing Agent Low VOC and reduce one (1) part using solvents or reducers listed above. Check local regulations for VOC compliance guidelines.

USA/Canada VOC compliant rules:

• For VOC 3.5 compliance use 170 or 170HP Series Reducers
• For VOC 2.1 compliance use LVB100 Low VOC Reducer Series

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

• Mix four (4) parts LVPB200 or LVPW200 to one (1) part LVCA200 Curing Agent Low VOC and reduce with two (2) parts solvents or reducers listed above.

USA/Canada VOC compliant rules:

• For VOC 4.6 compliance use 170 or 170HP Series Reducers
• For VOC 2.1 compliance use LVB100 Low VOC Reducer Series

3. POT LIFE @ 77°F (25°C)

AS HIGH BUILD PRIMER SURFACER:

• 20-30 minutes

AS PRIMER SEALER:

• 45-60 minutes

4. CLEAN UP

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

5. ADDITIVES

• N/A

6. SURFACE PREPARATION

• Prior to repair wipe surface with 170 Aqua Clean and wipe dry with clean cloth before product flashes
• Finish body filler with 180 grit or finer sandpaper, featheredge substrate with 320 grit sandpaper or 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 prepared Aluminium, Steel, Galvanized Steel or sand blasted steel
• Properly prepared fiberglass, SMC, E-Coat, OEM finishes
• Properly prepared OEM E-coat

10. APPLICATION

AS HIGH BUILD PRIMER SURFACER:

• Spray one (1) to three (3) coats allowing 10-20 minutes flash time

AS PRIMER SEALER:

• Spray one (1) coat allowing 10-15 minutes flash time

11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

	AS PRIMER SURFACER	AS PRIMER SEALER
Flash between coats	10-20 minutes	10-15 minutes
To Sand Air Dry	60-90 minutes	Nib Sand 10 minutes
To Sand Bake 155°F/68°C	10-15 minutes	Do not bake sealer
To Topcoat Air Dry	N/A	10-20 minutes
To Topcoat without Sanding	N/A	4 hours Max.

12. INFRARED CURE

• N/A

13. GUN SET UP

SEE PAGE 2

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.

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13. GUN SET UP (Continued)

CONVENTIONAL GUN	AS PRIMER SURFACER	AS PRIMER SEALER
Gravity Feed	1.5 mm-1.9 mm	1.3 mm-1.5 mm
Siphon Feed	1.5 mm-1.9 mm	1.3 mm-1.5 mm
HVLP		
Gravity Feed	1.4 mm-1.6 mm	1.3 mm-1.4 mm

AIR PRESSURES

Conventional @ Gun	AS PRIMER SURFACER	AS PRIMER SEALER
Gravity Feed	20-30 psi (1.5-2.0 bar)	25-30 psi (1.7-2.0 bar)
Siphon Feed	25-30 psi (1.7-2.0 bar)	25-35 psi (1.7-2.5 bar)
HVLP Inlet Air	6-8 psi (0.41-0.55 bar)	
See spray gun manufacturer info		

14. PHYSICAL DATA

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

RTS REGULATORY DATA	4:1:1 (170 or 170HP Series Reducers)		4:1:1 (LVB100 Low VOC Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
Actual VOC	2.6 Max.	315 Max.	1.25 Max.	150 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	50 - 60	35 - 45	50 - 60	35 - 45
Total Volatile Content	40 - 50	55 - 65	40 - 50	55 - 65
Water	0	0	0	0
Exempt Compound Content	20 - 30	25 - 35	30 - 40	40 - 45
Coating Category	Primer Surfacer			

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

14. PHYSICAL DATA (Continued)

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

RTS REGULATORY DATA	4:1:2 (170 or 170HP Series Reducers)		4:1:2 (LVB100 Low VOC Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
Actual VOC	3.45 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	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	45 - 55	30 - 40	45 - 55	30 - 40
Total Volatile Content	45 - 55	60 - 70	45 - 55	60 - 70
Water	0	0	0	0
Exempt Compound Content	20 - 25	25 - 30	35 - 45	50 - 55
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):

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	6.0 Max.	720 Max.	6.6 Max.	800 Max.
Density	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	50 - 60	35 - 45	45 - 55	30 - 40
Total Volatile Content	40 - 50	55 - 65	45 - 55	60 - 70
Water	0	0	0	0
Coating Category	Primer Surfacer		Primer Sealer	

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