



GENERAL INFORMATION

Valspar Low VOC system provides an environmentally friendly and economical solvent solution using our trademark Clean Air[®] formula technology. The LVBR100 Low VOC Basecoat Series is a high performance basecoat featuring outstanding dry times, excellent metallic control, and optimum repairability. Depending on reducer selection the LVBR100 Series Basecoat may be used in National Rule or Low VOC jurisdictions.



1. COMPONENTS

- LVBR100 Low VOC Basecoat
- HPC2 Activator Fast (optional)

Low VOC LVB100 LVBR100 Series Reducers:

- LVBF100 Reducer Fast Low VOC
- LVBM100 Reducer Medium Low VOC
- LVBS100 Reducer Slow Low VOC

National Rule 170HP Series Reducers:

- 171HP Reducer High Performance Fast
- 172HP Reducer High Performance Medium
- 173HP Reducer High Performance Slow
- 174HP Reducer High Performance Very Slow



2. MIXING RATIO (1:1:0-1% by volume)

- Mix one (1) part Base Color with one (1) part reducers listed above

USA/Canada VOC compliant rules:

- For 3.5 lbs/gal Low VOC compliance use LVB100 Series Reducers
- For USA National Rule VOC compliance use 170HP Series Reducers

OPTIONAL MIXING RATIO:

- Add 1% max. of HPC2 Activator per sprayable quart for enhanced performance



3. POT LIFE @ 77°F (25°C)

- When properly covered at 77°F/25°C, LVBR100 Series Base will maintain a sprayable viscosity indefinitely
- With HPC2: two (2) Hours



4. CLEAN UP

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



5. ADDITIVES

- N/A



6. SURFACE PREPARATION

- Surfaces should be prepared using the proper undercoat system following recommended procedures
- All surfaces should be finish sanded with 600/P800 grit wet or dry sandpaper or equivalent

OEM BLEND AREAS

Option 1:

- Clean blend area with Valspar 170 Aqua Clean.
- Scuff blend area with gray scuff pad and sanding paste.
- Sanding paste must be thoroughly washed away.
- Reclean blend area with Valspar 170 Aqua Clean prior to topcoating

Option 2:

- Clean blend area with Valspar 170 Aqua Clean
- Sand blend areas with P800 - P1000 grit paper, for hard to reach areas scuff with gray scuff pad
- Reclean blend area with Valspar 170 Aqua Clean prior to topcoating

NOTE: Option 1 and 2 the OEM Blend area must be scuffed or sanded completely dull.

7. TOPCOATS

For National Rule Compliance:

- AC200MS Clear Coat
- AC4400 Clear Coat
- Z9000 Clear Coat
- AD4200 Clear Coat

For Low VOC 2.1 Compliance:

- AC2100 Clear Coat
- LVCC300 Clear Coat
- AD4221 Clear Coat



8. TECH NOTES

- N/A



9. SUBSTRATES

- Properly prepared previously painted surfaces
- Valspar 2K Primers/Surfacers
- Valspar 2K Sealers

NOTE: Do not use over Self Etching Primers



10. APPLICATION

- Spray two (2) to three (3) medium-wet coats with an overlap of 75% until hiding and color match are achieved
- Allow each coat 5-10 minutes flash or until finish is dull
- Dry mils 2.0 to 3.0 mils (20-75 µm)
- Wet mils 4.0 to 6.5 mils (100-165 µm)
- Surface temperature should be 70-100°F / 21-35°C with less than 80% ambient humidity preferred



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Flash between coats	5-10 Minutes
To Tape	10-15 Minutes
To Clear Coat	30 Minutes

NOTE: If basecoat is allowed to dry more than 24 hours before clear coating, scuff and re-spray basecoat.



12. INFRARED CURE

- N/A



13. GUN SET UP



CONVENTIONAL GUN	
Gravity Feed	1.3 mm - 1.4 mm
Siphon Feed	1.6 mm - 1.7 mm
HVLP	
Fluid Tip	1.3 mm - 1.4 mm tip

13. GUN SET UP (continued)

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13. GUN SET UP (continued) AIR PRESSURES

Conventional @ Gun	
Gravity Feed	15-20 psi (1.0-1.5 bar)
Siphon Feed	30-40 psi (2.0-2.8 bar)
HVLP Inlet Air	6-8 psi (0.41-0.55 bar)
See spray gun manufacturer info	

NOTES



14. PHYSICAL DATA FOR USA Low VOC & Canada (3.5 LBS./GAL Compliance) and USA National Rule

RTS REGULATORY DATA	1:1		1:1	
	(LVB100 Series Reducers)		(170HP Series Reducers)	
	LBS./GAL.	g/L	LBS./GAL.	g/L
Actual VOC	0.9 Max.	105 Max.	4.2 Max.	509 Max.
Regulatory VOC (less water and exempt solvents)	3.5 Max.	420 Max.	6.3 Max.	760 Max.
Density	8 - 11	960 - 1320	8 - 10	960 - 1200
	WT. %	VOL. %	WT. %	VOL. %
Total Solids Content	9 - 15	10 - 20	9 - 15	12 - 22
Total Volatile Content	85 - 91	80 - 90	85 - 91	78 - 88
Water	0	0	0	0
Exempt Compound Content	70 - 85	75 - 85	34 - 39	33 - 38
Coating Category	Color Coating		Two-Stage Topcoat	

NOTE: Low VOC US regions and Canada require use of Low VOC reducers. Regulations allow for the use of exempt compounds for VOC calculations.

FOR REST-OF-WORLD (ROW considered outside USA/Canada):

RTS REGULATORY DATA:	1:1	
	(Valspar Reducers)	
	LBS./GAL	g/L
VOC	7.2 Max.	862 Max.
Density	8 - 10	960 - 1200
	WT. %	VOL. %
Total Solids Content	9 - 15	12 - 22
Total Volatile Content	85 - 91	78 - 88
Water	0	0
Coating Category	Color Coating	

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.