



## 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. The LVBR100 Low VOC Basecoat Series is an Economically friendly, high performance basecoat featuring outstanding dry times, excellent metallic control and optimum repairability.



### 1. COMPONENTS

- LVBR100 Low VOC Base Coat
- LVBF100 Fast Reducer - up to 80°F (24°C)
- LVBM100 Medium Reducer - 80°F-90°F (24°C-32°C)
- LVBS100 Slow Reducer - 90°F (32°C) and above



### 2. MIXING RATIO

Mix one (1) part Base Color with one part LVB100 Series Reducers (1:1 by volume).

**Optional: 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: 2 Hours



### 4. CLEAN UP

Per local regulations.



### 5. 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 AquaClean. Scuff blend area with gray scuff pad and sanding paste. Sanding paste must be thoroughly washed away. Re-clean blend area with Valspar 170 AquaClean prior to topcoating

• **Option 2:** Clean blend area with Valspar 170 AquaClean. Sand blend areas with P800 - P1000 grit paper, for hard to reach areas scuff with gray scuff pad. Re-clean blend area with Valspar 170 AquaClean prior to topcoating.

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



### 6. SUBSTRATES

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

**NOTE:** Do not use over Self Etching Primers



### 7. APPLICATION

- Spray 2-3 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.



### 8. FLASH / DRY TIMES

**AIR DRY @ 77°F (25°C)**

Flash between coats	5-10 Minutes
To Tape	10-15 Minutes
To Clearcoat	30 Minutes

**NOTE:** If basecoat is allowed to dry more than 48 hours before clearcoating, scuff and respray basecoat.



### 9. 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
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#### 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



### 10. PHYSICAL DATA (1:1) Base Color

Density	7.88 lbs./gal. (Average)
Solids By Volume	13.29% (Average)
Solids By Weight	15.84% (Average)
VOC	3.5 lbs./gal. (Max)
Flash Point	23°F / -5°C
Zahn #2 Viscosity (RTS)	14.5 Seconds
Theoretical Coverage	214 F <sup>2</sup> /gal @ 1 mil/25 µm thickness