

LVBR100 Series Low VOC Basecoat

Tech Sheet - Custom Shop UBC-LV 3.5 VOC Compliant

1. DESCRIPTION



Custom Shop UBC-LV Low VOC Urethane Basecoat
Custom Shop UBC-LV Urethane Basecoat is a state-of-the-art, basecoat/clearcoat system designed to reproduce the hi-tech O.E.M. finishes found on today's vehicles. It features outstanding coverage, rapid dry time, excellent metallic control and optimum repairability. UBC-LV provides an environmental friendly solvent solution.

2. COMPONENTS



- UBC-LV Low VOC Base Coat
- For 3.5 VOC Must Use XR Series Reducer**
- XR60 Fast Reducer - Up to 55-70 F (24 C)
- XR70 Medium Reducer - 70-85 F (24 C - 32 C)
- XR85 Slow Reducer- 85 F and Above
- For National Rule VOC May use KR Series Reducers**
- KR60, KR70, KR85 or UR60, UR70, and UR85

3. POT LIFE @ 77°F



When Properly Covered at 77°F / 25°C UBC-LV Basecoat will maintain a sprayable viscosity indefinitely.
With KH211 or KH212: 2 Hours

4. MIXING RATIO



Mixing Ratios: 2 : 1 2 Parts UBLV Color - 1 Part XR, KR, or UR Reducer
Mix One Part Base Color with One Half Part Reducer (2-1 By Volume).
Optional: Add 1% Max. of KH211 or KH212 Activator per Sprayable Quart for Enhanced Performance.

5. CLEAN UP



KT-025 Compliant Solvent Cleaner

6. SUBSTRATES



UBC-LV **Series Urethane Basecoat may be applied over:** Cleaned, sanded and primed OEM or Refinish topcoat. Kustom Shop **KEP** Epoxy Primer / Sealer. Kustom Shop **KUP** Urethane Primer. Kustom Shop **KFP** Hi-Build 2K Primer Surfacer Kustom Shop **KPP** Polyester Primer, Kustom Shop **KL611** Old school Acrylic Lacquer Primer. Restoration Shop **RP2100** High Solids Urethane Primer.

- Epoxy Primer
- Properly Prepared OEM Surface
- Properly Prepared Aluminum and Steel.

Note: Do Not Apply Over Self Etching Primer

SURFACE PREPARATION



USE RECOMMENDED UNDERCOAT SYSTEM FOLLOWING RECOMMENDED PROCEDURES.

Wipe with KW901 Grease and Wax Remover or
For National Rule Areas KW902 Anti-Static Panel Kleaner
Abrade with 400 grit then 500 grit sandpaper or equivalent.



Wipe again with KW901 Grease and Wax Remover or KW902 Anti-Static Panel Kleaner
For best results apply anti-corrosive primer such as KEP Series epoxy primers over bare metal. KEP Epoxy May also be used as excellent sealer over all substrates and old finishes.

OEM Blend Areas

• **Option 1:** Clean blend area with KW901 or KW902. Scuff blend area with gray scuff pad and sanding paste. Sanding paste must be thoroughly washed away. Re-clean blend area with KW901 or KW902 prior to topcoating

• **Option 2:** Clean blend area with KW901 or KW902. Sand blend areas with P800 - P1000 grit paper, for hard to reach areas scuff with gray scuff pad. Re-clean blend area with KW901 or KW902 prior to topcoating.

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

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LVBR100 Series Low VOC Basecoat



GENERAL INFORMATION

Custom Shop 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 Basecoat Series is an Economically friendly, high performance basecoat featuring outstanding dry times, excellent metallic control and optimum reparability.



7. 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



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 24 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

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

RTS REGULATORY DATA:	1:1 (XR Series Reducers)	
	LBS./GAL	g/L
	Actual VOC	1.25 Max.
Regulatory VOC (less water and exempt solvents)	3.5 Max.	420 Max.
Density	7 - 12	840 - 1440
	WT. %	VOL. %
Total Volatile Content	70 - 95	70 - 95
Water Content	0	0
Exempt Compound Content	50 - 90	50 - 90
Coating Category	Coating Component	

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