

Tech Sheet - Restoration Shop UBLV 3.5 VOC Compliant

DESCRIPTION



Restoration Shop UBLV Low VOC Urethane Basecoat
Restoration Shop UBLV 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. UBLV provides an environmental friendly solvent solution.

COMPONENTS



- UBLV 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



POT LIFE @ 77°F



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

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.

CLEAN UP



KT-025 Compliant Solvent Cleaner

SUBSTRATES



UBLV 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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APPLICATION



For Air Spray

- 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 Mills 2.0 to 3.0 Mills. Wet Mills 4.0 to 6.5 Mills.

FLASH / DRY TIMES



AIR DRY @ 77°F

Flash Between Coats.....	5-10 Minutes
To Tape.....	20-40 Minutes
To Clearcoat.....	30 Minutes

Note: If the basecoat is allowed to dry more than 24 hours, it must be scuffed and new basecoat applied.

Clear Coating: KC210 Urethane Speed Clear or KC2020 or Restoration Shop RC4221 For 2.1 or RC4200 For 4.2 VOC

GUN SETUPS



CONVENTIONAL

Gravity Feed.....	1.3 mm - 1.5 mm
Siphon Feed.....	1.6 mm - 1.8 mm

HVLP

Anest Iwata LPH 400	1.2 mm - 1.4 mm tip
Binks MG1.....	1.3 mm - 1.5 mm tip
Devilbiss GTI	1.4 mm - 1.6 mm tip
Sata 95 & 2000	1.3 mm - 1.5 mm tip

AIR PRESSURES



CONVENTIONAL @ GUN

Gravity Feed	35 - 40 psi
Siphon Feed.....	45 - 50 psi

HVLP @ Cap

8 - 10 psi

PHYSICAL DATA (2:1) Base Color

VOC (Volatile Organic Content).....	> 3.5 LB/GAL (420 g/l) Maximum
VOC UR Reducers.....	7.52 lbs/gal (902 g/l)
VOC X70 Reducers.....	0.00 Exempt
Flash Point	23°F

REGULATORY DATA

RTS REGULATORY DATA:	1:1	
	Using XR Series Reducers	
	LBS./GAL	g/L
VOC Total	> 3.5 Max	> 420
VOC (less water and solvents)	> 3.5 Max	> 420
	LBS./GAL. Solids	LBS./GAL. Solids
HAPS	6.5 Max.
Volatiles	80.0-95.0 WT. %	80.0-95.0 VOL. %
Water	0.0 WT. %	0.0 VOL. %
Exempt Solvents	50.0 - 90.0 WT. %	50.0 - 90.0 VOL. %



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SAFETY



Before using any Restoration Shop product, be sure to read all MSDS and application instructions and warnings. Always wear a properly fitted air purifying respirator with organic vapor cartridges and particulate filter or a fresh air respirator (depending on product selection), eye protection, gloves and protective clothing during application and until vapors are exhausted. Do not permit anyone without protection in the painting area. This product is intended for use by a professionally trained painter. **Keep out of the reach of children.**

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