



GENERAL INFORMATION

USC01 Kosmic Urethane Show Klear is developed to have an excellent chemical, fuel, and water resistance. USC01 has increased UV blocking capability when compared with standard automotive clear products, for extra protection against the sun. USC01 meets all VOC rules and regulations, Coast-to-Coast compliant.



PREPARATION

Surfaces should be prepared using the proven undercoat system following recommended procedures.



COMPONENTS

KLEAR	CATALYST	LV SERIES REDUCER	RU SERIES REDUCER
USC01	KU152	RU300	RU310
		RU301	RU311
			RU312
			RU313
			RU315



MIXING RATIO

For 4.0 lb/gal (480 g/L) VOC Compliance (US National Rule) - (3:1:1 by volume)

- 3 parts USC01 clear
- 1 part KU152 catalyst
- 1 part RU310, 311, 312, 313 RU series reducers

For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC) - (3:1:1 by volume)

- 3 parts USC01 Klear
- 1 part KU152 Catalyst
- 1 part LV Exempt Series Reducers (RU300 or RU301)

Note: 75/25 blend max. LV Exempt Series/RU Standard Series Reducers (10% max RU315 Reducer)

Optional: To any of the above mixtures

- Add AX02 at 5% max. per ready-to-spray quart
- Add KE170 at 0.1 ozs. max. per ready-to-spray quart



GUN SETUP

Refer to spray gun manufacturer's recommendations



APPLICATION

Apply 1 medium coat and allow to flash 15-20 minutes or till hand slick, followed by 2 medium wet coats allowing to flash 20 - 30 minutes between coats. Shop conditions, air flow, and reducer used will vary flash times. To ensure maximum performance, use the "hand slick" method of monitoring the finish between coats. The hand slick method goes a step beyond the touch test method and is achieved by gently swiping finger over clear to monitor readiness for next coat.



DRY TIME

- Air dry at 70°F = 24 hours
- Air dry at 70°F with AX02 added at 5% of mix = 4 hours
- Force dry at 140°F = Allow the finish to flash 30 minutes, bake time should be 30 minutes at 140F, 30 minute cool down.



FLOW COATING

After color sanding, re-clear mixing an extra 1-2 ounces of RU Reducer per mixed quart of clear. The additional reducer will give you extra flow out. Begin with a medium coat followed by 1-2 medium wet coats following "hand slick" method for measuring flash times between coats.



FINISH SANDING

After clear coats have been cured overnight (12-24 hours), color sand wet. Add a small amount of mild liquid detergent to the water, to prevent sandpaper loading, and soak the sandpaper for 15-20 minutes. Sand the entire vehicle flat, leaving no glossy spots. Dry as you go, so soap residue doesn't bite the fresh paint. After sanding, wipe the vehicle with a clean rag and water. Wipe dry. Use a tack rag to remove lint before re-coating. (Chemical washes at this stage are not recommended). Use clean rags and KC20 or warm water. Sand with 600 Grit.

FINISHING AND POLISHING

- In a 70°F shop, allow 24 hours for dry time before polishing.
- In a 70°F shop, allow 4-6 hours if using AX02. Buffing within 24 hours is recommended when using AX02.
- Refer to desired polishing & finishing products manufacturer TDS for instructions.



CLEANUP

Clean equipment thoroughly with lacquer thinner or urethane reducer (check local regulations). Acetone Preferred.



TECHNICAL DATA

US (National Rule/Low VOC) / Canada

RTS Regulatory Data	3 : 1 : 1		3 : 1 : 1	
	RU310-313 Series Reducers		LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	2.5 Max.	302 Max.	1.0 Max.	120 Max.
Regulatory VOC (less water & exempt solvents)	3.5 Max.	420 Max.	2.1 Max.	250 Max.
Density	8 - 10	960 - 1200	8 - 10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	34 - 42	32 - 42	31 - 41	32 - 42
Total Volatile Content	58 - 66	58 - 68	59 - 69	58 - 68
Water	0	0	0	0
Exempt Compound Content	34 - 41	28 - 36	55 - 63	52 - 60
Category	Clear Coat			

NOTE: US / Canadian regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional adds, and optional reducer blends.



TECHNICAL DATA (continued)

FOR REST-OF-WORLD

RTS Regulatory Data	3 : 1 : 1	
	RU310 - 313 Series Reducers	
	LBS/GAL	g/L
VOC	6.6 Max.	800 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	34 - 42	32 - 42
Total Volatile Content	58 - 66	58 - 68
Water	0	0
Category	Clear Coat	

NOTE: Rest-Of-World considered areas outside US/Canada. Calculations include optional adds, and optional reducer blends.



TIPS AND TRICKS

- ONLY USE KU152 CATALYST WITH USC01 KLEAR.
- All catalysts including KU152, are moisture-sensitive and will not keep for long periods open. Keep the container tightly sealed. Clean the catalyst container's pour spout by wiping the threads with reducer for ease of reopening.
- Do not over-catalyz, follow recommended mixing instructions to avoid issues.
- Over Spray from any catalyzed products may lift when base coats are applied. Mask carefully to prevent this over spray when painting door jambs, etc. USC01 is a higher flowing clear that requires the user to use the hand slick method to prevent runs and solvent popping.
- Use a timer between coats generally 15-25 minutes.
- DO NOT rush your re-coat time between coats. You could experience solvent popping.
- When applying USC01 directly over UK Kandy's, the first coat should be applied medium wet.
- Dry time lengthens with each coat.
- Only mix enough for each individual coat.
- Avoid touching the vehicle with your bare hands as the oil from your skin may impair flow coats.