



GENERAL INFORMATION

UC22 Kosmic Urethane Klear provides an additional clearcoat to the category of premium clearcoats. Designed for any painter, it delivers excellent gloss and UV blocking abilities. With state-of-the-art technology, there is no need for a flex additive for flexible substrates like modern bumpers. UC22 meets all VOC rules and regulations and is 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
UC22	KU122	RU300	RU310
		RU301	RU311
			RU312
			RU313
			RU315 (10%)



MIXING RATIO

For National Rule - 4:1:1

- 4 parts UC22 klear
- 1 part KU122 catalyst
- 1 part RU310, 311, 312, 313 RU series reducers

For Low VOC - 4:1:1

- 4 parts UC22 Klear
- 1 part KU122 Catalyst
- 1 part LV Exempt Series Reducers (RU300 or RU301) (10% max RU315 Reducer)



GUN SETUP

Refer to spray gun manufacturer's recommendations.



APPLICATION

- Apply two coats - gun distance of 4-6 inches.
- Apply an even wet first coat, without missed areas. It is suggested to apply more of the recommended film build in the first coat, than in the second, to help with film wetting.
- Allow to flash for 4-7 minutes before applying second coat.
- Wait until there is no string when touching the clear before the next coat.
- Recommended film build is 2.0 - 3.0 mils (dry).



DRY TIME

- Air dry at 70°F = As little as two hours
- Force dry at 140°F surface temperature = 10 minutes. Allow to cool for 20 minutes to buff.



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 recoating. (Chemical washes at this stage are not recommended.) Use clean rags and KC20 or warm water. Sand with 600 Grit. Add two more coats of clear, let cure; then cut and polish.

FINISHING AND POLISHING

- In a 70°F shop, allow two hours for dry time before polishing.
- Refer to desired polishing and finishing product 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	4 : 1 : 1		4 : 1 : 1	
	RU310-313 Series Reducers		LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	2.09 Max.	251.23 Max.	0.86 Max.	103.78 Max.
Regulatory VOC (less water & exempt solvents)	3.03 Max.	367.91 Max.	1.67 Max.	201.05 Max.
Density	8.97 - 9.01	1075.81 - 1080.61	9.64	1155
	Weight %	Volume %	Weight %	Volume %
Total Volatile Content	60.41	58.62	60.41	61.42
Water	0	0	0	0
Exempt Compound Content	31.72 - 35.03	35.36 - 38.05	48.38	52.43
Category	Clear Coat			

NOTE: US / Canadian regulations allow for the use of exempt compounds for VOC calculations.

T&T **TIPS AND TRICKS**

- ONLY USE KU122 CATALYST WITH UC22 KLEAR.
- All catalysts including KU122, 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-catalyze, follow recommended mixing instructions to avoid issues.
- Overspray from any catalyzed products may lift when base coats are applied. Mask carefully to prevent this over spray when painting door jambs, etc.
- Use a timer between coats generally 4-7 minutes.
- If you have applied 2 heavy coats, allow 5 minutes before force drying.
- When applying UC22 directly over UK Kandy's, the first coat should be applied medium wet.
- Dry time lengthens with each coat.
- Only mix enough that will be used within an hour.
- Avoid touching the vehicle with your bare hands as the oil from your skin may impair flow coats.