



GENERAL INFORMATION

Simply stated, USC01 Kosmic Urethane Show Klear is the finest Klear House of Kolor has ever produced. Using state of the art polymer technology, we have developed a klear with excellent chemical, fuel, and water resistance. USC01 has increased UV blocking capability when compared to standard automotive clear products. This is especially important when finishing Kandy, Basecoats, and specialty products. USC01 spraying at over 40% volume solids, it offers users excellent flow out, gloss, and D.O.I. (Distinctness of Image). USC01 can be used on all size vehicles from large trucks to compact cars, resulting in the show-ready finish that House of Kolor users crave. Cut, Buff, and Polishing has never been easier or faster. USC01 Kosmic Urethane Show Klear is the ideal klear coat for you and your pursuit of excellence. USC01 Kosmic Show Klear meets all VOC rules and regulations, Coast to Coast, including California.

IMPORTANT NOTES

ONLY USE KU152 CATALYST WITH USC01 KLEAR.

- All catalyst 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.
- USC01 Kosmic Show Klear is new technology and it's mixing ratio is different from all of our other klears. Please be mindful of this. **DO NOT OVER CATALYZE.** (3 parts Klear, 1 part KU152 catalyst, 1 part RU reducer)
- 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.



SUBSTRATE

- All House of Kolor Products
- NOTE:** Please refer to individual product tech sheets for proper system applications
- Properly cured and prepared OEM finishes



COMPONENTS

- USC01 - Kosmic Urethane Show Klear
- KU152 - Kosmic Exempt Catalyst
- RU310 - Fast Reducer 65°F to 75°F
- RU311 - Medium Reducer 75°F to 85°F
- RU312 - Slow Reducer 85°F to 95°F
- RU313 - Very Slow Reducer 95°F to 100+°F
- RU300 - LV Cool Weather Reducer 70°F to 85°F
- RU301 - LV Warm Weather Reducer 85 to 100+°F
- AX02 - Kosmic Kicker (Optional)
- KE170 - KRATOR (Optional)



MIXING RATIO

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

- 3 parts USC01 Klear
- 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

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
- For extra flow out, add up to 5% of any RU Reducer per mixed quart of klear. Low VOC areas may use Std RU Reducers for this 5% add, **ONLY** if the optional LV Exempt/RU Std Series blend was not used, otherwise you are only allowed to use RU300 or 301.



MIXING RATIO CONTINUED

<u>USC01 MIXED KLEAR (RTS)</u>	<u>KOSMIC KICKER</u>
8 oz.	0.4 oz.
16 oz.	0.8 oz.
32 oz.	1.6 oz.
64 oz.	3.2 oz.
96 oz.	4.8 oz.
128 oz.	6.4 oz.



POT LIFE

90 minutes depending on shop conditions. The addition of AX02 will shorten pot life to 60 minutes or less based on conditions.



GUN SET UP

Refer to Spray Gun Manufacturer's settings.

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.

NOTE: USC01 is a higher flowing clear that requires the user to use the hand slick method to prevent runs and solvent popping.

NOTE: DO NOT rush your recoat time between coats. You could experience solvent popping.

NOTE: When applying USC01 directly over UK Kandy's, the first coat should be applied medium wet.

NOTE: **Dry time lengthens with each coat.**

NOTE: Only mix enough for each individual 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.

NOTE: Based upon weather conditions, number of coats, solvent speed, and flash time between coats, etc., it is not unusual for the Klear to remain soft for extended periods of time. This does not mean the finish is uncured; it indicates the finish is holding solvents and will need additional time to fully harden.

FINISH SANDING

IF NOT FLOW COATING, GO TO STEP FINISHING AND POLISHING

After clear coats have been cured overnight (12-24 hours), color sand wet (PLEASE REFER TO SANDING GRIT RECOMMENDATIONS FOR URETHANE CLEARS). Add a small amount of mild liquid detergent to the water and soak the sandpaper for 15-20 minutes. This prevents sandpaper loading. 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

NOTE: Avoid touching the vehicle with your bare hands as the oil from your skin may impair flow coats.

CAUTION: DO NOT SAND THROUGH THE CLEAR AND RUIN ALL YOU'VE DONE. Look for colored water, this will indicate you sanded through the clear.

RECOAT (FLOW COATING)

RE-MASKING THE VEHICLE AFTER COLOR SANDING WILL GIVE YOU A CLEANER FINISH WHEN FLOW COATS ARE APPLIED.

After color sanding, re-clear using 2-4 ounces of extra 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 as outlined in APPLICATION directions above. For NATIONAL RULE use RU310, RU311, RU312 or RU313. For LOW VOC, use RU300 or RU301.

NOTE: With this method, polishing is not required unless you desire a show quality finish, or to remove minor dirt particles.

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.
- See tech sheet for information on Polishing & Finishing



CLEAN UP

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



TECHNICAL DATA

FOR USA (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	2.9 Max.	346 Max.	1.0 Max.	120 Max.
Regulatory VOC (less water & exempt solvents)	4.0 Max.	480 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 5% AX02, and all optional reducer adds

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: ROW considered areas outside US/Canada. Calculations include optional 5% AX02, and all optional reducer adds - See mixing section above.

HEALTH AND SAFETY

IMPORTANT: The contents of this package have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

If used as instructed, this product is designed to comply with VOC standards in low-VOC jurisdictions. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option

WWW.HOUSEOFKOLOR.COM

valspar