TECHNICAL MANUAL

VERSION 2 (1.1.18)

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FOR MORE INFORMATION AND VIDEOS VISIT

HOUSEOFKOLOR.COM

READ ALL INSTRUCTIONS THOROUGHLY BEFORE YOU BEGIN

Our products are for use by trained professional personnel using proper production automotive spray equipment suitable for the paint to be sprayed. Proper spray booth, air system, respirator and basic spray painting ability are required.

RECOMMENDED PAINTING TEMPERATURE

70°F / 21°C

HIGHLY IMPORTANT INFORMATION:

House of Kolor products are designed to work as a system to provide you with a Premium Quality Custom Finish. Do not intermix HOK with other brands as this will comprise the integrity of the finish and void all warranty. No professional or amateur should run the risk of a job failure due to cocktailing. Custom painting can be a complicated process in its own right so by all means please avoid any "cocktailing" of products.

Apply only over House of Kolor primers/sealers and/or properly prepared OEM paint. Do not apply House of Kolor products over alkyd or synthetic enamels, uncatalyzed acrylic enamel, primers, sealers or topcoats that may not be coated with lacquer. You must control every step of the preparation including the products used for a successful paint job. Any unknowns such as existing primer, old paint, etc. can become the weak link in the custom painter's chain.

VOC REGULATIONS

Products identified as "Low VOC" Compliant are designed to comply with VOC standards in low-VOC jurisdictions. Products identified as, "National Rule Only" are designed to comply with US national rule 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.

CAUTION

Read Cautions and Warnings on all product can labels

DISCLAIMER

The data in this manual represent typical values obtained by the methods indicated. 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 House of Kolor agrees otherwise in writing, HOUSE OF KOLOR 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. HOUSE OF KOLOR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Unless House of Kolor agrees otherwise in writing, House of Kolor's only obligation for any defect in this product under any warranty that House of Kolor provides or under any other legal theory will be to replace the defective product, or to refund its purchase price, at House of Kolor's option.

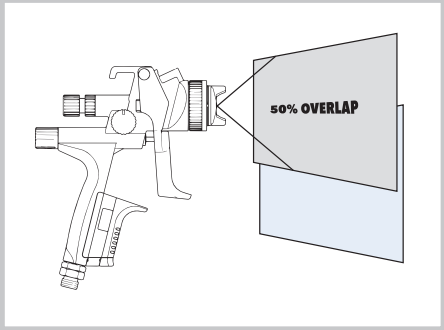
IMPORTANT: The contents of these packages have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique 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.

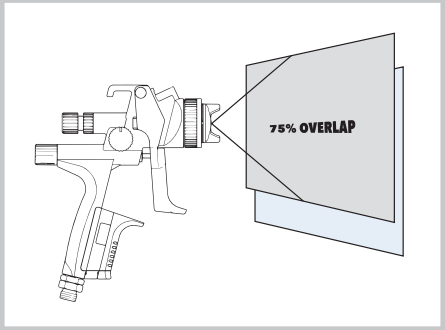
HEALTH & SAFETY

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

APPLICATION TECHNIQUES – SPRAY PATTERN OVERLAP

The following infographics depict 50% and 75% overlap spray pattern overlap. Use recomended overlap pattern for each product.





NOTES

- Check the measurement of the spray gun pattern width.
- Adjust spray gun for pattern consistency. (Generally this is done by restricting trigger pull not fan control.)
- Restrict amount of fluid being delivered when using 75% overlap to avoid runs and sags.
- 75% Overlap generally used for pearls and the first 2–3 coats of Kandys.

SANDPAPER GRADING SYSTEMS

When choosing a sandpaper, it is important to remember that sandpapers produce a significantly different scratch pattern based on the different grading systems.

CAMI–Coated Abrasives Manufacturer's Institute

Graded sandpaper has long been the standard system of measurement in the automotive refinish industry in America. It is known as having a wider variety of grit

FEPA

Graded sandpaper is new from the Federation of European Producers of Abrasives. It is regarded as having a tighter measurement system, with closer tolerances for particle size. The result, as shown in the chart, is that the scratch patterns of FEPA and CAMI differ significantly the higher you go.

SANDING GRIT RECOMMENDATIONS

KP2CF, KD2000 Epoxy Primers		
Substrate	CAMI Grade	FEPA Grade (P Grit)
Bare Metal / Old Finish	Minimum 80 Grit Dry	Minimum 80P Grit Dry

KD3000 SERIES DTS PRIMER SURFACER / SEALER		
Substrate	CAMI Grade	FEPA Grade (P Grit)
Bare Metal / Old Finish	Minimum 80 Grit Dry	Minimum 80P Grit Dry
High Build KD3000 Series (removing nibs)	500 Grit Wet / Dry	600P Grit Wet / Dry

Basecoat		
Substrate	CAMI Grade	FEPA Grade (P Grit)
Bare Metal	280 Grit Dry 500 Grit Wet	320P Grit Dry 800P Grit Wet

USC01		
Substrate	CAMI Grade	FEPA Grade (P Grit)
SHIMRIN2 Base Coats	280 Grit Dry 500 Grit Wet	320P Grit Dry 800P Grit Wet

IDENTIFYING YOUR SANDPAPER'S GRADE

To identify the grade sand paper you are working with; FEPA grade will have a "P" either proceeding or following the grit size. CAMI grade will not have the letter "P" on the sand paper.

CAMI VS. FEPA GRIT STRENGTH

CAMI	FEPA
	P
1200	
	2500
1000	
	2000
800	
	1500
	1200
600	
	1000
500	
	800
400	
	600
360	
	500
	400
320	
	360
280	
	320
	280
240	
	240
220	
	220
	180
150	
	150
120	
	120
100	
	100
80	80
	60
60	
	50
50	
	40
40	
	36
36	
	30
30	
24	
	24
20	
	20
16	

BASECOAT FORMULA EXAMPLE: HOK0523-00

HOK05

SHIMRIN2 KARRIER BASES

ITEM	DESCRIPTION	ITEM	DESCRIPTION
S2-00	TRANS NEBULAE	S2-10	PAVO PURPLE
S2-01	SOLAR GOLD	S2-11	MAYANMAGENTA
S2-02	CELESTIAL WHITE	S2-12	ZENITH GOLD
S2-03	GALAXY GRAY	S2-13	VELOCITY VIOLET
S2-04	STRATTO BLUE	S2-14	LUNAR YELLOW
S2-05	LAPIS BLUE	S2-15	SOLARFLAIR RED
S2-06	METEOR MAROON	S2-16	RE-ENTRY RED
S2-07	GAMMA GOLD	S2-17	AZURE BLUE
S2-08	ECLIPSE ORANGE	S2-18	ALANI ORANGE
S2-09	PLANET GREEN		

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FX EFFECT PACS

ITEM	DESCRIPTION	ITEM	DESCRIPTION
S2-FX01	METALUME SUPER FINE	S2-FX37	KOSMATIC STYLING PEARL MAGENTA
S2-FX02	METALUME FINE	S2-FX38	KOSMATIC STYLING PEARL INDIGO
S2-FX03	METALUME MEDIUM	S2-FX39	KOSMATIC STYLING PEARL WHITE
S2-FX04	METALUME COURSE	S2-FX41	METAJULS PRISM
S2-FX05	METALUME SUPER SILVER	S2-FX42	METAJULS PALE GOLD
S2-FX21	KOSAMENE BRASS PEARL	S2-FX43	METAJULS RED
S2-FX22	KOSAMENE STERLING SILVER PEARL	S2-FX44	METAJULS BLUE
S2-FX23	KOSAMENE RUSSET PEARL	S2-FX45	METAJULS YELLOW
S2-FX24	KOSAMENE COPPER PEARL	S2-FX46	METAJULS GREEN
S2-FX25	KOSAMENE BRONZE PEARL	S2-FX47	METAJULS SILVER
S2-FX26	KOSAMENE GOLD PEARL	S2-FX61	KOSMIC SPARKS SNO WHITE
S2-FX30	KOSMATIC STYLING PEARL EMBER ORANGE	S2-FX62	KOSMIC SPARKS GOLD RUSH
S2-FX31	KOSMATIC STYLING PEARL STRIKNGOLD	S2-FX63	KOSMIC SPARKS BLUSHING RED
S2-FX32	KOSMATIC STYLING PEARL RED	S2-FX64	KOSMIC SPARKS COPPER PENNY
S2-FX33	KOSMATIC STYLING PEARL VIOLET	S2-FX65	KOSMIC SPARKS SUMMERTIME GREEN
S2-FX34	KOSMATIC STYLING PEARL BLUE	S2-FX66	KOSMIC SPARKS OCEAN BLUE
S2-FX35	KOSMATIC STYLING PEARL GREEN	S2-FX67	KOSMIC SPARKS TURQUOISE
S2-FX36	KOSMATIC STYLING PEARL TURQUOISE		

-00

KD3000 SERIES SURFACER / SEALER

ITEM	DESCRIPTION	ITEM	DESCRIPTION
KD3000	GRAY	KD3003	YELLOW
KD3001	BLACK	KD3004	RED
KD3002	WHITE	KD3005	BLUE

BASECOAT MIXING INSTRUCTIONS

3 PARTS
SHIMRIN2 KARRIER BASE

+

1 PART
FX EFFECT PACS

REDUCE BASECOAT MIXTURE
2 : 1

KD3000 SERIES MIXING INSTRUCTIONS

HIGH BUILD SURFACER MIXING RATIO

4 PARTS / KD3000 SERIES + 1 PART / KDA3000

MEDIUM BUILD SURFACER / HIGH BUILD SEALER MIXING RATIO

4 PARTS / KD3000 SERIES + 1 PART / KDA3000

1 PART
RU REDUCER

SEALER MIXING RATIO

4 PARTS / KD3000 SERIES + 1 PART / KDA3000

2 PARTS
RU REDUCER

BASIC PAINTING STEPS

1 PREP

Note: Poor preparation can cause future topcoat problems. The first step in a kustom finish is starting with a properly prepared surface.

– **PRE-PREP:** Before sanding, use KC10 Wax & Grease Remover to remove any tar, wax or grease.

– **SANDING:** Use 80 grit to remove original finishes down to bare metal.

– **FILLING:** Use only premium stain-free, non-bleeding body fillers and putties.

– **PREP:** Use KC10 or KC20

2 PRIME

Note: The key to a durable finish begins with the foundation. KD3000 Series Foundation Primers are direct to substrate (DTS) and contain no harmful ISOs. Available in a full spectrum of Kolor, with tenacious adhesion, excellent durability, corrosion resistance and ease of sanding.

– **HIGH BUILD:** KD3000 Series DTS Foundation Surfacer Sealer. Select color and mix KD3000 Series using high build mixing ratio (4 :1). Visit HOUSEOFKOLOR.com for Kwik-Mix online kolor and formula retrieval.

NOTE: DO NOT USE KD3000 SERIES AS A REPLACEMENT FOR SPRAYABLE POLYESTERS.

– **FILLING:** KD3000 Series DTS Foundation Surfacer Sealer. Select color and mix KD3000 Series using medium build mixing ratio (4 : 1 : 1).

Visit HOUSEOFKOLOR.com for Kwik-Mix online kolor and formula retrieval.

KANDY BASECOAT FORMULA EXAMPLE: HOK001523-01

HOK00

SHIMRIN2 KARRIER BASES

ITEM	DESCRIPTION
S2-00	TRANS NEBULAE

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KANDY KONCENTRATE

ITEM	DESCRIPTION	ITEM	DESCRIPTION
KK01	BRANDYWINE	KK10	PURPLE
KK02	LIME GOLD	KK11	APPLE RED
KK03	WILD CHERRY	KK12	PAGAN GOLD
KK04	ORIENTAL BLUE	KK13	BURPLE
KK05	COBALT BLUE	KK14	SPANISH GOLD
KK06	BURGUNDY	KK15	TEAL
KK07	ROOT BEER	KK16	MAGENTA
KK08	TANGERINE	KK18	PINK (LIMITED USE DUE TO FADING POTENTIAL)
KK09	ORGANIC GREEN	KK22	VOODOO VIOLET

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FX EFFECT PACS

ITEM	DESCRIPTION	ITEM	DESCRIPTION
S2-FX01	METALUME SUPER FINE	S2-FX37	KOSMATIC STYLING PEARL MAGENTA
S2-FX02	METALUME FINE	S2-FX38	KOSMATIC STYLING PEARL INDIGO
S2-FX03	METALUME MEDIUM	S2-FX39	KOSMATIC STYLING PEARL WHITE
S2-FX04	METALUME COURSE	S2-FX41	METAJULS PRISM
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S2-FX35	KOSMATIC STYLING PEARL GREEN	S2-FX67	KOSMIC SPARKS TURQUOISE
S2-FX36	KOSMATIC STYLING PEARL TURQUOISE		

-01

KD3000 SERIES SURFACER / SEALER

ITEM	DESCRIPTION	ITEM	DESCRIPTION
KD3000	GRAY	KD3003	YELLOW
KD3001	BLACK	KD3004	RED
KD3002	WHITE	KD3005	BLUE

KD3000 SERIES MIXING INSTRUCTIONS

HIGH BUILD SURFACER MIXING RATIO

4 PARTS / KD3000 SERIES + 1 PART / KDA3000

MEDIUM BUILD SURFACER / HIGH BUILD SEALER MIXING RATIO

4 PARTS / KD3000 SERIES + 1 PART / KDA3000

1 PART RU REDUCER

SEALER MIXING RATIO

4 PARTS / KD3000 SERIES + 1 PART / KDA3000

2 PARTS RU REDUCER

KANDY BASECOAT MIXING INSTRUCTIONS

8 PARTS TRANS NEBULAE

+

1 PART KANDY KONCENTRATE

+

1/2 PART S2-FX EFFECT PAC (MIXING RATIOS MAY VARY)

REDUCE KANDY BASECOAT MIXTURE 2 : 1

3 KOLOR

Note: Shimrin2 Basecoats will have your eyes popping with the extreme depth and clarity, kandy-like micro ground pigments, and unlimited spectrum of color and effects.

– **SEALING:** For Shimrin2 Basecoat kolors containing S2-01 to S2-18 FX Karrier Bases, use Selected KD3000 Series Kolor mixed as a sealer. For those containing S2-00 Karrier Base and FX Pacs FX-01 through FX-05 use SS01 Silver Sealer.

– **STANDARD BASECOAT:** A combination of different Karrier Bases and FX Effect Packs

– **KANDY BASECOAT:** A combination of S2-00 Trans Nebulae & Kandy Koncentrates (KK) & 41 different FX Effect Packs.

– **KUSTOM KREATOR BASECOAT:** You're limited to your imagination. Create your own intermixable kolors. Combine multiple Karrier Bases & FX Effect Packs.

4 KLEAR

Note: USC01 Urethane Show Klear is a medium solids klear offering users excellent flow out, gloss and distinctness of image. USC01 can be used on projects both large and small, resulting in a show-ready finish.

Finish with a PREMIUM KLEAR.

– **TOPCOAT UV KLEAR:** USC01 Urethane Show Klear is a medium solids klear offering excellent flow out, gloss, excellent fuel resistance and the highest UV protection in the industry.

– **URETHANE KANDY FINISH:** UKK01 Urethane Kandy Karrier brings simplicity to a historically difficult finish and must be used as both a low solids and medium solids version. USC01 Urethane Show Klear must be applied over UKK01 Kandies.

– **CUT, BUFF & POLISH:** USC01 Urethane Show Klear delivers premium show car results.

KUSTOM FOUNDATION SURFACER & SEALERS

KD3000 SERIES – KUSTOM FOUNDATION SURFACER SEALERS

APPLICATION	MIX RATIO	PRIMER	CATALYST	REDUCER
HIGH BUILD	4 : 1	4 PARTS KD3000	1 PART KDA3000	N/A
MEDIUM BUILD / HIGH BUILD SEALER	4 : 1 : 1	4 PARTS KD3000	1 PART KDA3000	1 PART RU REDUCER
SEALER	4 : 1 : 2	4 PARTS KD3000	1 PART KDA3000	2 PARTS RU REDUCER

NOTE: KD3000 SERIES WHEN USED AS A HIGH BUILD IS NOT A SUBSTITUTE FOR SPRAYABLE POLYESTERS. USE AS DIRECTED.

SILVER SEALER (SS01)

PRODUCT	MIX RATIO	PRIMER	CATALYST
SILVER SEALER (SS01)	6 : 1	6 PARTS SS01	1 PART KU152

NOTE: SS01 MAY BE TINTED WITH KANDY KONCENTRATES (KK) FOR ADDITIONAL DEPTH AND COLOR STYLING ENHANCEMENTS.
See technical data sheet for additional information.

SHIMRIN2® BASECOATS

SHIMRIN2® STANDARD BASECOATS

APPLICATION	MIX RATIO	BASE	EFFECT	REDUCER
STANDARD BASECOAT	3 : 1 : 2	3 PARTS KARRIER BASE	1 PART S2-FX EFFECT PACK	2 PARTS RU REDUCER

3/4 FILL - FX KARRIER BASE (24 oz) + FULL FILL - FX EFFECT PACK (HALF PINT 8 oz) = FULL QUART - REDUCE W/ 2 PARTS RU REDUCER (READY-TO-SPRAY)

SHIMRIN2 STANDARD FACTORY PACK

PRODUCT	MIX RATIO	BASE AND EFFECT	REDUCER
S2-25 JET BLACK	2 : 1	2 PART S2-25 JET BLACK	1 PART RU REDUCER
S2-26 BRIGHT WHITE	2 : 1	2 PART S2-26 BRIGHT WHITE	1 PART RU REDUCER
S2-BC02 ORION SILVER MAX	2 : 1	2 PART S2-BC02 ORION SILVER MAX	1 PART RU REDUCER

NOTE: FOR BEST RESULTS SPRAY ORION SILVER MAX MEDIUM WET (75% OVERLAP) WITH SLOWER REDUCER.

SHIMRIN2 S2-00 TRANS NEBULAE MIXING RATIOS FOR EFFECT-ONLY BASECOATS

EFFECT PACKS	PARTS BY VOLUME		PARTS BY VOLUME		BASE	REDUCER
	S2-00	S2-FX	S2-00 (oz)	S2-FX (tsp)		
S2-FX01-05	3	1	3	1	S2-25 JET BLACK	50% RU REDUCER
S2-FX21-26	96	1	4	1/4		
S2-FX31-39	48	1	2	1/4		
S2-FX41-47	24	1	2	1/2		
S2-FX51-56	48	1	2	1/4		
S2-FX61-67	48	1	2	1/4		

NOTE: IF APPLIED OVER A LIGHT-KOLORED BASE, DOUBLE THE AMOUNT OF EFFECT.

STANDARD KANDY BASECOAT – KBC

MIX RATIO	KARRIER BASECOAT	KK	EFFECT	REDUCER
(8 : 1 : 1/2) 50%	8 PARTS S2-00	1 PART KK KONCENTRATE	UP TO 1/2 PART FX	REDUCE (S2-00 / KK / FX) 2:1

NOTE: VARIANCE RATIO ALSO AVAILABLE ONLINE FOR MAXIMUM DEPTH.

SHIMRIN2® URETHANE KANDY

UKK01 URETHANE KANDY KARRIER

APPLICATION	MIX RATIO	KANDY KARRIER	CATALYST	REDUCER
LOW SOLID	4 : 1 : 2	4 PARTS UKK01	1 PARTS KU152	2 PART RU REDUCER
MEDIUM SOLID	4 : 1 : 1	4 PARTS UKK01	1 PARTS KU152	1 PART RU REDUCER

ADD 2–4 OUNCES OF DESIRED KANDY KONCENTRATE (KK) TO SPRAYABLE QUART.

NOTE: BEGIN YOUR KANDY JOB USING THE LOW SOLID MIX FOR INITIAL 2–3 COATS. THE LOWER SOLID MIXTURE WILL GREATLY REDUCE OR ELIMINATE KANDY BLOTCHING, STREAKING, AND GENERAL APPLICATION ERRORS. FINISH YOUR KANDY JOB BY APPLYING THE MEDIUM SOLID TO ACHIEVE DESIRED DEPTH AND COLOR STRENGTH. WE RECOMMEND CLEAR COATING ALL KANDIES WITH USC01 KOSMIC URETHANE SHOW KLEAR.

KLEAR COAT

USC01 KOSMIC URETHANE SHOW KLEAR

APPLICATION	MIX RATIO	KANDY KARRIER	CATALYST	REDUCER
USC01	3 : 1 : 1	3 PARTS USC01	1 PART KU152	1 PARTS RU SERIES

NOTE: REFER TO TDS FOR PROPER FLASH TIME.

URETHANE KOSMIC KICKER

MIXED URETHANE	8 oz.	16 oz.	32 oz.	64 oz.	96 oz.	128 oz.
AX02	0.4 oz.	0.8 oz.	1.6 oz.	3.2 oz.	4.8 oz.	6.4 oz.

WORKS WITH ANY PRODUCT THAT USES KU152 ACTIVATOR. AX01 AVAILABLE FOR UFC35 & UC35
NOTE: Not required to use to speed dry times in cool temp shops.

FOR MORE INFORMATION

To keep up-to-date on everything that is going on with House of Kolor's product line, we offer multiple ways to keep you in the know throughout the year.

- *Our clinics offer an array of hands-on technical skill training sessions available for all skill levels. The schedule is updated frequently so if you can't find a training near you, be sure to check back!*

- *Houseofkolor.com is your gateway to the world of kustom automotive paint! Here you will find what trade shows we're attending, new products that are coming out and any new market trends.*

- *Follow House of Kolor on our social media sites, for new product announcements and up-to-date and current how-to videos.*

GENERAL INFORMATION

House of Kolor's Reducers & Catalysts leave the paint film in the proper stages, providing excellent flow out, and maintaining outstanding gloss. Our catalysts are designed to provide proper cross-linking with our resins, giving excellent chemical, fuel, and water resistance to your House of Kolor project. We recommend that you use only House of Kolor reducers and catalysts and avoid cocktailing to prevent any issues.

REDUCERS

The following charts are for spray booth application only.

LV Exempt Series Reducers		Standard Series Reducers				Retarder
RU300	RU301	RU310	RU311	RU312	RU313	RU315
70–85°F	85–100+°F	65–75 °F	75–85 °F	85–95 °F	95–100+°F	95–100+°F
Exempt reducers to meet Low VOC regulations.		Generally used on smaller objects for touch-ups, on larger objects, and with Intercoat products to speed up dry time.	Most commonly used reducer. Used for small objects in temperatures above 85°F or for larger objects in spray booth temperatures of 75–85°F	Used for blending bases or Kandys and for larger objects. Also used in warm, humid conditions to increase flow time and leveling.	Used for blending bases or Kandys and for very large objects. Also used in very warm & humid conditions, to increase flow time and leveling.	In extremely hot and humid conditions, use RU315 Retarder (up to 10% replacement for other reducers)

NOTES:

- The RU315 is an additive and may be added to slow dry times, or for force drying.
- Do not cocktail (mix) House of Kolor reducers with other manufacturers, however House of Kolor reducers may be intermixed for varried conditions.
- When choosing a reducer, consider the size of the object being painted, shop temperature, humidity, air movement and local VOC regulations.

CATALYSTS

House of Kolor catalysts are specifically designed to be used in our urethane products. They are designed to provide proper cross-linking with our resins, giving excellent chemical, fuel, and water resistance to your House of Kolor project. Use with all House of Kolor urethane products.

National Rule Only Catalyst	Low VOC Compliant Catalysts		
KU100	KU150	KU152	KUF21
	UA22	UA23	UA24

NOTE: NEVER TOPCOAT A FINISH WITH A FASTER CURING CATALYST, THAN THE ONE USED IN THE FINISH UNDERNEATH. THIS COULD CAUSE SOLVENT TO BE TRAPPED IN THE OVERALL FINISH. USE CATALYSTS WITH SIMILAR SPEEDS.

MIXING RATIO(S)

Always measure when mixing House of Kolor products. For mixing ratios, please refer to the individual product technical data Sheet. Be sure to check local VOC regulations before choosing a reducer or catalyst. Not all of House of Kolor's components are Low VOC compliant.

TIPS AND TRICKS

- Air movement, temperature, and reducer speed will all affect dry times.
- Wait between coats to allow solvent to flash. Using a timer is recomended.
- When painting in a booth, choose a reducer based upon the size of the job. The larger the object the slower the reducer should be.
- Using a thermometer in the booth to keep a consistent temperature is key to a great paint job.

GENERAL INFORMATION

KC10 removes grease, wax, silicone, adhesives, tar, tree sap, insects and dirt. This is a quick-flashing product designed to speed initial surface prep before sanding and body work. Don't apply more than you can wipe clean before KC10 dries. This product is **ONLY** for use in national rule areas.

APPLICATION

KC10 is to be used over unsanded surfaces and OEM finishes. DO NOT USE KC10 over polyester fillers, primers, sealers, or during any step of paint application. SURFACE PREP CLEANER ONLY. For Low VOC areas, use KC20.

- Ready-For-Use
- Wash surface with mild detergent and water.
- Rinse and dry surface.
- Soak clean cloth with KC10.
- Wipe surface with KC10 and wipe dry with clean, dry cloth before product dries.

NOTE:

- KC10 should not be allowed to dry on surface. If this occurs, reapply KC10 using a clean cloth and wipe dry.

TECHNICAL DATA

FOR USA (National Rule)

RTS Regulatory Data	KC10	
	Ready-For-Use	
	LBS/GAL	g/L
Actual VOC	6.5 Max.	780 Max.
Regulatory VOC (less water & exempt solvents)	6.43 Max.	770 Max.
Density	6 - 8	720 - 960
	Weight %	Volume %
Total Solid Content	0	0
Total Volatile Content	100	100
Water	0	0
Exempt Compound Content	0	0
Category	Surface Cleaner	

FOR REST-OF-WORLD

RTS Regulatory Data	KC10	
	Ready-For-Use	
	LBS/GAL	g/L
VOC	6.5 Max.	780 Max.
Density	6 - 8	720 - 960
	Weight %	Volume %
Total Solid Content	0	0
Total Volatile Content	100	100
Water	0	0
Category	Surface Cleaner	

Note: ROW considered areas outside US/Canada.

T&T TIPS AND TRICKS

- KC10 is used to remove tar, wax and grease prior to sanding. It's recommended to wipe the surface twice, using clean wipes each time. This product is not meant to be used as a final wipe down product prior to painting. Use KC20 for a final wipe down, followed by tack and prime, seal or paint!

- KC10 and many final wash products will remove House of Kolor basecoats. Use KC20 to avoid issues.

GENERAL INFORMATION

KC20 removes sanding residue as well as dirt, hand oils, and other light contaminants. KC20 will also reduce static when used on plastic and fiberglass parts. KC20 is designed for use in initial and final surface preparation. Before sanding existing finish KC10 should be used first (National Rule Only).

APPLICATION

KC20 is to be used over sanded surfaces, OEM finishes, sanded primers, cured sealers, fresh basecoats, pinstripes, airbrush art and other surfaces.

- Ready-For-Use
- Wash surface with mild detergent and water
- Rinse and dry surface
- Soak clean cloth with KC20
- Wipe surface with KC20 and wipe dry with clean, dry cloth before product dries.

NOTE:

- KC20 is the only cleaner recommended for cleaning Shimrin basecoats prior to topcoating when necessary.
- KC20 should not be allowed to dry on surface. If this occurs, reapply KC20 using a clean cloth and wipe dry.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	KC20	
	Ready-For-Use	
	LBS/GAL	g/L
Actual VOC	0.2 Max.	25 Max.
Density	7–9	840–1080
	Weight %	Volume %
Total Solid Content	0	0
Total Volatile Content	100	100
Water	95–99	95–99
Exempt Compound Content	0	0
Category	Surface Cleaner	

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

FOR REST-OF-WORLD

RTS Regulatory Data	KC20	
	Ready-For-Use	
	LBS/GAL	g/L
VOC	8.0 Max.	960 Max.
Density	6–8	720–960
	Weight %	Volume %
Total Solid Content	0	0
Total Volatile Content	100	100
Water	0	0
Category	Surface Cleaner	

NOTE: ROW considered areas outside US/Canada.

T&TIPS AND TRICKS

- KC20 is our recommended product for cleanup on our basecoats if necessary prior to topcoat application.

GENERAL INFORMATION

AX02 Kosmic Kicker is an accelerator used with USC01 and UKK01. Kosmic Kicker can be used on small parts to reduce dry times. When used properly, AX02 will not sacrifice the quality of the finish. AX02 should not be used on larger projects or complete vehicles.

APPLICATION

Refer to USC01 and UKK01 technical data sheets (TDS) for application instructions.

MIXING RATIO

UKK01 & USC01	KOSMIC KICKER
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.

COMPONENTS

- AX02 Kosmic Kicker
- USC01 Urethane Show Klear
- UKK01 Urethane Kandy Karrier

T&T TIPS AND TRICKS

- Mix and measure carefully as pot life will be reduced.
- Recomended for small parts, touch-ups and any time fast flash and cure times are required.
- Accelerators are known to reduce UV absorbers.
- Use no more than up to 5% Kosmic Kicker

GENERAL INFORMATION

Adhereto® Adhesion Promoter is designed to create a bond between a substrate and a coating. Apply Adhereto before applying topcoats to ensure proper adhesion of automotive paint to plastics. In National Rule areas, Adhereto may also be used on brass, aluminum, metal or chrome.

SURFACE PREPARATION

Clean substrate of all contamination such as dirt, oil, grease and mold release agents, with isopropyl alcohol or KC20 Post Sanding Cleaner. Dry thoroughly after cleaning. Scuff using a maroon scuff pad.

MIXING RATIO

Ready-To-Spray

DRY TIME

- Mix your paint prior to applying AP01.
- Apply a medium mist coat.
- Wait no longer than 5 min. before you apply the topcoat.

GUN SETUP

Refer to spray gun manufacturer's settings.

APPLICATION

Apply Adhereto with a dry film thickness of one medium coat. Carefully monitor coat thickness. Topcoats must be applied immediately after the Adhereto coat has dried, usually within 2 to 3 minutes not to exceed 5 minutes at 70°F. Adhereto acts as a clear adhesive primer providing a bond for topcoats.

NOTES:

- In Low VOC jurisdictions, Adhereto® is only compliant for use on plastic surfaces. Confirm compliance with state and local air quality rules before use.
- If Adhereto completely dries, it must be reapplied prior to topcoating.
- Proper coat thickness is critical for good adhesion properties. With adhesion promoters, more is not better.

TECHNICAL DATA

For USA (National Rule & Low VOC)/Canada

RTS Regulatory Data	AP01 Ready-For-Use	
	LBS/GAL	g/L
Actual VOC	0.70 Max	85 Max
Regulatory VOC (less water & exempt solvents)	4.5 Max	540 Max
Density	7–9	840–1080
	Weight %	Volume %
Total Solid Content	3–6	3–6
Total Volatile Content	94–97	94–97
Water	0	0
Exempt Compound Content	85–95	85–95
Category	Specialty Coating / Adhesion Promoter	

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

TECHNICAL DATA (continued)

FOR REST-OF-WORLD

RTS Regulatory Data	AP01 Ready-For-Use	
	LBS/GAL	g/L
VOC	8.0 Max	960 Max
Density	7–9	840–1080
	Weight %	Volume %
Total Solid Content	3–6	3–6
Total Volatile Content	94–97	94–97
Water	0	0
Category	Specialty Coating / Adhesion Promoter	

NOTE: ROW considered areas outside US/Canada.

GENERAL INFORMATION

SP1600 Sprayable Polyester Primer, low VOC, high build polyester primer surfacer, which is compatible with and provides excellent adhesion to properly prepared bare metal, aluminum, fiberglass, and wood surfaces. SP1600's high build formulation dries quickly to touch and has good sanding and filling characteristics.

COMPONENTS

SPRAYABLE POLYSTER PRIMER	HARDENER
SP1600	MEKP

MIXING RATIO

For 2.1 lb./gal. (250 g/L) Low VOC compliance

- Mix one (1) quart SP1600 to (1/2) half ounce MEKP Liquid Hardener.

NOTE: Combine components by volume. Mix thoroughly and strain before using.

POT LIFE

30-40 minutes at 75°F / 50% RH
Note: Pot life shortens at temperatures above 75°F.

SURFACE PREPARATION

- Clean surface of all contaminants with Wax & Grease Remover. Wipe dry with a clean cloth.
- Grind repair area. Sand and featheredge with 180 to 320 grit abrasive.
- Remove sanding debris by blowing off repair area. Wipe dry with a clean cloth. Do not topcoat unless surface is completely dry.

NOTE: Do not apply over uncured substrates or uncatalyzed enamel paint films.

APPLICATION

- Apply 2 - 3 medium wet coats.
- Do not use at temperatures below 55°F.

AIR PRESSURE:

Refer to spray gun manufacturer's settings.

GUN SET UP:

Refer to to spray gun manufacturer's settings. High solids gun recommended.

SPRAY GUN CLEAN UP

- Clean spray gun thoroughly with lacquer thinner or acetone after use of SP1600. Disassembly is recommended.

FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)	
Flash Time	3 - 5 Minutes
To Sand	1 Hour

FORCE DRY @ 130 - 140°F	
Flash Time	3 - 5 Minutes
To Sand	Within 4 hours after application

NOTE: SP1600 must be sanded within 4 hours after application to avoid difficulty sanding or let dry overnight and block with 80 grit, then prime with KD3000 Series Primers.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS REGULATORY DATA	1 Quart : 0.5 ozs No Reducer	
	LBS./GAL.	g/L
Actual VOC	2.0 Max.	243 Max
Regulatory VOC (less water and exempt solvents)	2.1 Max.	250 Max.
Density	13–15	1560–1800
	Weight %	Volume %
Total Solids Content	82–85	66–70
Total Volatile Content	15–18	30–34
Water	<0.1	<0.1
Exempt Compound Content	3–7	3–7
Coating Category	Primer	

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

FOR REST-OF-WORLD (Outside US & Canada):

RTS REGULATORY DATA	1 Quart : 0.5 ozs No Reducer	
	LBS./GAL.	g/L
VOC	2.3 Max.	280 Max
Density	13–15	1560–1800
	Weight %	Volume %
Total Solids Content	82–85	66–70
Total Volatile Content	15–18	30–34
Water	<0.1	<0.1
Coating Category	Primer	

NOTE: Rest-of-World considered areas outside US/Canada.

T&T TIPS AND TRICKS

- Recommend 2–3 coats max, due to the high build nature of the product.
- Thorough gun cleaning after use of this product to protect from damaging spray gun.
- Do not apply over acid-based primer to avoid delamination.
- For added corrosion resistance, SP1600 can be applied over cured and sanded KD series primer.

GENERAL INFORMATION

KP2CF is a high-solids, activated Chromate Free Kwikure Epoxy Sandable Primer. KP2CF primer may be applied to bare steel, aluminum, fiberglass and galvanized steel. Its tenacious adhesion, high build, excellent durability, water and corrosion resistance, and ease of sanding make it a logical choice for the basis of a long-lasting paint job. This product is for use in US National rule areas only.

COMPONENTS

KWIKURE EPOXY PRIMER	ACTIVATOR	RU SERIES REDUCER	
KP2CFA	KP2CFB	RU310	RU312
		RU311	RU313

SUBSTRATE

- Properly cleaned and sanded aluminum, steel, galvanized steel or sand blasted steel.
- Properly cleaned and sanded fiberglass, SMC, E-Coat and OEM finish.
- Properly prepared OEM finishes.
- Body fillers.

SURFACE PREPARATION

- Wash surface with mild detergent and water.
- Rinse and dry surface.
- Wipe surface with KC20 Cleaner and wipe dry with clean cloth before product flashes.
- Sand and featheredge substrate with P320-grit sandpaper and/or body fillers P180 or equivalent.
- Clean surface with KC20 Cleaner and wipe dry with clean cloth before product flashes.

NOTE: Do not apply KP2CF over uncatalyzed primers.

MIXING RATIO

For 4.8 lbs/gal (580 g/L) VOC Compliance (US National Rule)
(1:1:0-10% by volume)

- 1 part KP2CF Part A Primer
- 1 part KP2CF Part B Activator

Optional: Add up to 10% of the RU reducers listed above for improved sprayability and flow out.

DRY TIME

AIR DRY @ 77°F (25°C)	
Flash Time	5-10 Minutes or until finish is dull
To Sand	12-24 Hours
To Topcoat	12-24 Hours

GUN SETUP

Refer to spray gun manufacturer's settings for fluid tip size and P.S.I. air pressure designed for primer application.

TECHNICAL DATA

FOR USA (National Rule Only)

RTS Regulatory Data	1 : 1 : 0 - 10% RU310-313 Series Reducers	
	LBS/GAL	g/L
Actual VOC	4.8 Max.	580 Max.
Regulatory VOC (less water & exempt solvents)	4.8 Max.	580 Max.
Density	10 -11	1200 -1320
	Weight %	Volume %
Total Solids Content	55 - 58	33 - 36
Total Volatile Content	42 - 45	64 - 67
Water	0	0
Exempt Compound Content	<1%	<1%
Category	Primer Surfacer	

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

FOR REST-OF-WORLD (Outside US & Canada):

RTS Regulatory Data	1 : 1 : 0 - 10% RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	4.8 Max.	580 Max.
Density	10 - 11	1200 -1320
	Weight %	Volume %
Total Solids Content	55 - 58	33 - 36
Total Volatile Content	42 - 45	64 - 67
Water	0	0
Category	Primer Surfacer	

NOTE: ROW considered areas outside US/Canada.

T&T TIPS AND TRICKS

- Initial block sanding (optional) 100P to 150P grit dry sandpaper
- Finish Sanding
  Dry sandpaper = 280P to 320P
  Wet sandpaper = 400 to 500 grit
  Tight areas = maroon scuff pad
- Do not use alkyd or synthetic sealers or primers with House of Kolor products as lifting may occur.
- To prevent bleeding or discoloration of base coats caused by body fillers, at least 2 mils of primer must remain after sanding
- Disassembly of entire gun is advised after use.
- Primer gun nozzle needle set up 1.7 reccomended.
- Approximately 2 mil percoat 50% overlap.

GENERAL INFORMATION

The KD3000 Series is a hybrid epoxy, two-component primer system, designed to be used as Direct to Substrate (DTS) high or medium build surfacer and sealer. Available in 6 colors, this primer series can be intermixed to produce a wide range of colors. The KD3000 Series has excellent adhesion, corrosion resistance, durability, productive dry times, and ease of sanding. The KD3000 Series DTS Surfacers/Sealers have high build capabilities and may be applied to the existing OEM finishes, bare steel, aluminum, fiberglass, galvanized surfaces, and various plastics.

SUBSTRATE

Properly Prepared
- Original finish
- Ferrous and non-ferrous metals
- Fiberglass and composites
- Plastics (pre-test adhesion and compatibility)
- Body fillers

SANDING THE SUBSTRATE

Bare Metal
- Minimum 80P-grit DA sandpaper

Body Fillers
- Minimum 80P

OEM Finish
- 320P dry or 500 wet

Final Sand
- Allow proper solvent flash between each coat to ensure proper build.
- Final sand with sealer 320p–360p dry or 400 wet
- Final sand without sealer 500–600 wet

COMPONENTS

KD SERIES PRIMER SURFACER / SEALER		HARDENER
KD3000 GRAY	KD3003 YELLOW	KDA3000
KD3001 BLACK	KD3004 RED	
KD3002 WHITE	KD3005 BLUE	

LV SERIES REDUCER	RU SERIES REDUCER	
RU300	RU310	RU313
RU301	RU311	RU315
	RU312	

Note: HOK1052015 Color Check Panel is a must have color tool. This innovative spray-out panel consists of 62 KD3000 Series DTS color variations. Color styling has never been faster. Simply apply basecoats over the panel to achieve an instant library of colors and effects.

PREPARATION

The surface to be primed should be free of wax, grease, rust, etc. IMPORTANT: Clean with KC10 prior to sanding. Do not apply KD3000 Series DTS Surfacers/Sealers over uncatalyzed primers. KD3000 Series DTS Surfacers/Sealers may be applied over properly prepared OEM factory primers and finishes, but for maximum adhesion and corrosion protection it is best to apply them directly to the properly prepared bare substrate.

GUN SETUP

Refer to spray gun manufacturer's settings for fluid tip size & P.S.I. air pressure designed for primer application.

MIXING RATIO

For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC & National Rule)
(4:1 by volume)
High Build Surfacer
- 4 parts KD3000 Series DTS Surfacer/Sealer
- 1 part KDA3000 DTS Hardener

For 4.6 lb/gal (550 g/L) VOC Compliance (US National Rule)
(4:1:1 by volume)
Medium Build Surfacer / High Build Sealer
- 4 parts KD3000 Series DTS Surfacer/Sealer
- 1 part KDA3000 DTS Hardener
- 1 part RU310 – 313 Reducers

For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC)
(4:1:1 by volume)
Medium Build Surfacer / High Build Sealer
- 4 parts KD3000 Series DTS Surfacer/Sealer
- 1 part KDA3000 DTS Hardener
- 1 part RU300 or RU301 Exempt Reducers

For 4.6 lb/gal (550 g/L) VOC Compliance (US National Rule)
(4:1:2 by volume)
Sealer
- 4 parts KD3000 Series DTS Surfacer/Sealer
- 1 part KDA3000 DTS Hardener
- 2 parts RU310 – 313 Reducers

For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC)
(4:1:2 by volume)
Sealer
- 4 parts KD3000 Series DTS Surfacer/Sealer
- 1 part KDA3000 DTS Hardener
- 2 parts RU300 or RU301 Exempt Reducers

Notes:
- Reducer selection should be based on the size of the area to be painted, air movement, and temperature. For example, match the Reducer for the booth conditions. mix the KD3000 Series primers thoroughly before activating or reducing. Use a paint shaker for best results.
- Thoroughly stir your ready-to-spray mixture to ensure optimal coatings performance. Do not exceed high build recommendations.

APPLICATION

Used as a High Build/Medium Build Surfacer
Strain mixture. Apply 2 to 3 full wet coats with a 50% pattern overlap. Apply an additional 2 full wet coats over polyester fillers and spot and glazing putties. Allow flash time between coats (flashes dull approx. 10 to 15 minutes).

Used as a Sealer
Strain mixture. Apply 1 to 2 medium wet coats with a 50% pattern overlap. Allow flash time between coats (flashes dull, approx. 5 to 15 minutes).

Note: All spot and glazing putties must be catalyzed products.

DRY TIME

Used as a High Build /Medium Build Surfacer

At 70°F, allow to cure approx. 90–120 minutes before sanding. If you exceed more than 3 coats, the cure time may be longer. For higher production you can bake the surfacer at 140°F for 30 minutes. Allow the surfacer to flash 15 minutes prior to baking with a 30-minute cool-down prior to sanding. Overnight dry time is best.

Used as a Sealer

Sealers are designed to create a chemical bond between the surfacer and the base coat. Allow the sealer to dry 15-30 min. but not to exceed 4 hours prior to top coating. Thoroughly sand sealed surfaces with 500 to 600 wet sand paper if top coating window extends more than 4 hours.

NOTE: Flash and Dry Times will be longer in cool temperatures, slow air movement or when applied in heavier coats.

FINISH SANDING

Used as a High Build /Medium Build Surfacer

- Initial Block Sanding
- 100P to 150P grit dry sandpaper
- Finish Sanding
- Dry Sandpaper = 280P to 320P grit (CAMI grade = 240 to 280 grit)
- Wet Sandpaper = 400 to 500 grit (FEPA grade 600P to 800P grit)
- Tight Areas (door jams, etc.) = Maroon scuff pad (Sand paper prefered if possible)

NOTES:

- To prevent bleeding or discoloration of base coats caused by body fillers, at least 2 mils of primer must remain after sanding. (1 coat equals approximately 1 mil when sprayed with production equipment using 4:1 mixing ratio).
- If body filler is exposed, re-prime with KD3000 to prevent staining.
- You may dry-sand KD3000 with 100 or 150 grit, then re-prime with 2 or 3 more coats of KD3000. KD3000 may also be wet sanded.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	4 : 1		4 : 1 : 1		4 : 1 : 1		4 : 1 : 2		4 : 1 : 2	
	No Reduction		RU310-313 Series Reducers		RU300 & 301 LV Series Reducers		RU310-313 Series Reducers		RU300 & 301 LV Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	1.3 Max.	158 Max.	3.2 Max.	380 Max.	1.1 Max.	133 Max.	3.4 Max.	407 Max.	0.95 Max.	115 Max.
Regulatory VOC (less water & exempt solvents)	2.1 Max.	250 Max.	4.6 Max.	550 Max.	2.1 Max.	250 Max.	4.6 Max.	550 Max.	2.1 Max.	250 Max.
Density	11–13	1320–1560	11–13	1320–1560	11–13	1320–1560	11–13	1320–1560	11–13	1320–1560
	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %
Total Solids Content	57–61	42–46	50–54	35–39	50–54	35–39	46–50	30–34	42–46	30–34
Total Volatile Content	39 - 43	54 - 58	46 - 50	61 - 65	46 - 50	61 - 65	50 - 54	66 - 70	54 - 58	66 - 70
Water	0	0	0	0	0	0	0	0	0	0
Exempt Compound Content	30–34	37–41	27–31	31–35	40–44	47–51	24–29	26–30	47–51	54–58
Category	Primer Surfacer / Sealer									

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

FOR REST-OF-WORLD

RTS Regulatory Data	4 : 1		4 : 1 : 1		4 : 1 : 2	
	No Reduction		RU310-313 Series Reducers		RU310-313 Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L
VOC	5.6 Max.	675 Max.	6.5 Max.	780 Max.	7.0 Max.	840 Max.
Density	11–13	1320–1560	11–13	1320–1560	11–13	1320–1560
	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %
Total Solids Content	57–61	42–46	50–54	35–39	46–50	30–34
Total Volatile Content	39–43	54–58	46–50	61–65	50–54	66–70
Water	0	0	0	0	0	0
Category	Primer Surfacer / Sealer					

NOTE: ROW considered areas outside US/Canada.

T&T TIPS AND TRICKS

- Apply a light contrasting primer guide coat over primed bodywork prior to blocking of the surface to identify high / low spots and pinholes in body filler.
- Do not use any acid-based products, such as self-etching primers, under KD3000 Series. This may affect adhesion properties.
- KD3000 Series is designed to prevent staining problems as long as the fillers / putties are mixed and applied properly.
- Non-catalyzed putties are never recommended for use with KD30000 series.
- A dedicated primer gun with gun nozzle needle set up 1.7 is recommended.
- Disassembly of entire gun is advised after use.
- Let KD fully dull before re-coat, to avoid any possibility of cracking.

GENERAL INFORMATION

SS01 Silver Sealer helps as an undercoat for all metallic-based colors for easy-to-spray, even coverage. This product was built from a polyurethane resin system to provide increased adhesion and long-term color hold out. SS01 can also be tinted up to 6.5% in low VOC areas and 10% nation wide with our Kandy Koncentrates for a closer color match under

SUBSTRATE

- Properly prepared House of Kolor primers and sealers
- Properly cured and prepared OEM finishes

PREPARATION

Use only House of Kolor's KD Epoxy Primers over bare metal substrates or metal substrates with body work. See tech sheet for more information on KD Epoxy Primers. For heavy build after 1 coat of KD apply 1-3 coats of our sprayable polyester primer to body work areas.

COMPONENTS

SILVER SEALER	HARDENER	KANDY KONCENTRATES (OPTIONAL)
SS01	KU152	KK01 - KK22

LV SERIES REDUCER (OPTIONAL)	RU SERIES REDUCER(OPTIONAL)	
RU300	RU310	RU313
RU301	RU311	RU315
	RU312	

MIXING RATIO

For 4.6 lb./gal. (550 g/L.) VOC compliance (US National Rule) simply add catalyst and spray. No reducer necessary

- 6 parts
- 1 part KU152 Catalyst

Optional: Max 10% KK and 10% RU310-313 for additional flow and control of metallic orientation.

For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC)
Simply add catalyst and spray. No Reducer necessary

- 6 parts
- 1 part KU152 Catalyst

Optional: Max 6.5% KK and 10% LV Exempt Reducers (RU300 or 301) for additional flow and control of metallic orientation.

APPLICATION

Strain the sealer after mixing. Gun distance while spraying should be approximately 5 to 6 inches. Apply 1 or 2 medium wet coats with 50% pattern overlap. Walk long objects. Be sure of thorough coverage. Allow flash 10 to 15 minutes between coats.

NOTE: Mottling may occur in areas where SS01 is applied too heavily. To correct this, use a drop coat or mist coat which is applied at a slightly lower pressure and quicker pass over these areas.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	6 : 1 RU310-313 Series Reducers		6 : 1 LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	2.5 Max.	297 Max.	0.92 Max.	110 Max.
Regulatory VOC (less water & exempt solvents)	4.6 Max.	550 Max.	2.1 Max.	250 Max.
Density	9 - 11	1080 - 1320	9 - 11	1080 - 1320
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	32 - 36	30 - 34	32 - 36	30 - 34
Total Volatile Content	64 - 68	66 - 70	64 - 68	66 - 70
Water	0	0	0	0
Exempt Compound Content	48 - 52	46- 50	56 - 60	56 - 60
Category	Primer Sealer			

NOTE: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional KK and Reducer.

FOR REST-OF-WORLD

RTS Regulatory Data	6 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	7.5 Max.	900 Max.
Density	9 - 11	1080 - 1320
	Weight %	Volume %
Total Solid Content	32 - 36	30 - 34
Total Volatile Content	64 - 68	66 - 70
Water	0	0
Category	Primer Sealer	

NOTE: ROW considered areas outside US/Canada.

TIPS AND TRICKS

- After the first coat is applied, adding an additional 5% reducer will help to prevent mottling. Keeping the gun close and moving faster when spraying can also reduce mottling.
- SS01 may be used as a base for kandies but we suggest using S2-BC02 Orion Silvermax for brightest finish.

GENERAL INFORMATION

Shimrin2 Solid Basecoats, S2-25 Jet Black and S2-26 Bright White are universal basecoats that may be cleared for a final finish, used as a foundation for pearls, flakes or be mixed together for a variety of gray shades for basecoats and kandy basecoats.

SUBSTRATE

- Properly prepared House of Kolor primers and sealers.
- All House of Kolor Shimrin2 Universal Bases.
- Properly cured and prepared OEM finishes.

COMPONENTS

SHIMRIN2 SOLID BASECOATS	LV SERIES REDUCER	RU SERIES REDUCER	
S2-25 JET BLACK	RU300	RU310	RU313
S2-26 BRIGHT WHITE	RU301	RU311	RU315
		RU312	

MIXING RATIO

For 5.8 lb/gal (700 g/L) VOC Compliance (US National Rule)
- 2 parts Shimrin2 solid basecoats (S2-25 or S2-26)
- 1 part RU310, 311, 312, 313 RU Series Reducers

Optional: 90/10 blend of RU310-313 with RU315

For 3.5 lb/gal (420 g/L) VOC Compliance (Low VOC)
- 2 parts Shimrin2 solid basecoats (S2-25 or S2-26)
- 1 part LV Exempt Series Reducers (RU300 or RU301)

Optional: 80/20 blend max of LV Exempt Series/RU Standard Series Reducers

APPLICATION

Apply 2 to 3 medium coats of S2-25 or S2-26 with a 50% spray pattern overlap. Allow each coat to flash dull (15 minutes) between coats, unless artwork is intended to go above S2-25 or S2-26 then allow the base to flash 30 minutes then apply 2 coats of C2C-SG100 Intercoat to protect against damages and allows you to lightly wet sand missprays.

DRY TIME

Allow to flash from 30 minutes up to a 4 hours maximum before topcoating with a House of Kolor Klear (refer to the tech sheet specific to the Klear system you intend to use). More than 4 hours a lite sanding with fine sandpaper before clear is recommended.

GUN SETUP

Refer to spray gun manufacturer's settings.

TECHNICAL DATA

FOR REST-OF-WORLD

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	9.0 Max.	1080 Max.
Density	8–10	960–1200
	Weight %	Volume %
Total Solid Content	12–29	10–18
Total Volatile Content	71–88	82–90
Water	0	0
Category	Two Stage Topcoat / Color Coating	

Note: ROW considered areas outside US/Canada.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers		2 : 1 LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.5 Max.	420 Max	0.95 Max.	110 Max
Regulatory VOC (less water & exempt solvents)	5.8 Max.	700 Max.	3.5 Max.	420 Max.
Density	8 – 10	960 – 1200	9 – 11	1080 – 1320
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	12 – 29	10 – 18	11 – 27	10 – 18
Total Volatile Content	71 – 88	82 – 90	73 – 89	82 – 90
Water	0	0	0	0
Exempt Compound Content	38 – 57	40 – 53	68 – 88	74 – 88
Category	Two Stage Topcoat / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional RU Series Reducer blends.

TIPS AND TRICKS

- S2-25 Jet Black designed for a low build.
- S2-26 Bright White is designed to be a fast covering white.

GENERAL INFORMATION

S2-BC02 Orion SilverMax is an advanced silver metallic basecoat in the market providing maximum performance, coverage / opacity, brightness and clean side tones. S2-BC02 is a universal basecoat that may be cleared for a final finish, or used as a foundation for Kandies.

SUBSTRATE

- Properly Prepared House of Kolor Primers & Sealers (KD3000 or KD3001 recommended for maximum reflectivity)
- All House of Kolor Shimrin2 Universal Bases
- Properly cured and prepared OEM finishes

COMPONENTS

ORION SILVERMAX	KANDY KONCENTRATES (OPTIONAL)
S2-BC02	KK01 - KK22

LV SERIES REDUCER (OPTIONAL)	RU SERIES REDUCER (OPTIONAL)	
RU300	RU310	RU313
RU301	RU311	RU315
	RU312	

GUN SETUP

Refer to spray gun manufacture's recomendations

DRY TIME

Allow to flash from 30 minutes up to a max of 4 hours before topcoating with USC01 or other House of Kolor clear coats. (refer to the tech sheet specific to the klear system you use intend to use.)

CLEAN UP

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

MIXING RATIO

For 6.0 lb./gal. (720g/L.) VOC Compliance
(US National Rule) - Solid Color
- 2 parts S2-BC02
- 1 part RU Reducers RU310, 311, 312, 313 RU Series Reducers

Optional: 90/10 blend of RU310-313 with RU315

KK Mixing Color
- 10 parts S2-BC02
- 1 part KK - Kandy Koncentrates
- 50% RU Reducers RU310, 311, 312, 313 RU Series Reducers

For 3.5 lb./gal. (420g/L.) VOC Compliance (LOW VOC) - Solid Color
- 2 parts S2-BC02
- 1 part LV Series Reducers (RU300 or RU301)

Optional: 0.5 oz per quart max RU310-313 with RU315

KK Mixing Color
- 10 parts S2-BC02
- 1 part KK - Kandy Koncentrates
- 50% LV Series Reducers (RU300 or RU301)

APPLICATION

Apply 2 to 3 medium coats of Shimrin2 Orion SilverMax (S2-BC02) with a 50% pattern overlap. Allow each coat to flash dull (Typically 5 to 15 minutes) between coats. If you intend to do artwork over Orion SilverMax, we suggest you allow the base to flash 30 minutes then apply 2 coats of C2C-SG100 Intercoat (see tech sheet on C2C-SG100) to protect against tape tracking, overspray, etc. C2C-SG100 allows for light sanding after artwork application.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	2 : 1		10 : 1 : 50%		2 : 1		18 : 1 : 50%	
	RU310-313 Series Reducers				LV Series Reducers			
	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.5 Max.	420 Max.	3.5 Max.	420 Max.	0.8 Max.	95 Max.	0.8 Max.	95 Max.
Regulatory VOC (less water & exempt solvents)	6.0 Max.	720 Max.	6.0 Max.	720 Max.	3.5 Max.	420 Max.	3.5 Max.	420 Max.
Density	8–10	960–1200	8–10	960–1200	8–10	960–1200	8–10	960–1200
	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %
Total Solid Content	14–19	10–14	14–19	10–14	14–19	10–14	14–19	14–19
Total Volatile Content	81–86	86–90	81–86	86–90	81–86	86–90	81–86	86–90
Water	0	0	0	0	0	0	0	0
Exempt Compound Content	42–50	42–50	42–50	42–50	76–80	78–82	76–80	78–82
Coating Category	Two Stage Topcoat / Color Coating							

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional RU Series Reducer adds mentioned above.

TECHNICAL DATA (continued)

FOR REST-OF-WORLD

RTS Regulatory Data	2 : 1		10 : 1 : 50%	
	RU310 - 313 Series Reducers			
	LBS/GAL	g/L	LBS/GAL	g/L
VOC	8.6 Max.	1035 Max.	8.6 Max.	1035 Max.
Density	8–10	960–1200	8–10	960–1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	14–19	10–14	14–19	10–14
Total Volatile Content	81–86	86–90	81–86	86–90
Water	0	0	0	0
Coating Category	Two Stage Topcoat / Color Coating			

Note: Rest-of-World considered areas outside US/Canada.

T&T TIPS AND TRICKS

- For more even coats use slower reducer.

GENERAL INFORMATION

Shimrin2 Graphic Kolors (S2-SG) are the S2 version of the Shimrin SG series. These new graphic kolors lend even more freedom to the painter. S2-SG's are universal basecoats that can be simply cleared for a final finish, or used as a basecoat for Kandy Base Coats (KBC).

SUBSTRATE

- Properly prepared House of Kolor primers and sealers.
- All Shimrin2 basecoats.
- Use fast reducers and proper dry times between coats of art to prevent lifting of topcoat.

PREPARATION

Shimrin2 Graphic Kolors are susceptible to staining or bleeding from plastic fillers, putties, fiberglass resins and some primers. To prevent staining, prime with KD3000 Direct To Metal Epoxy Primer. See tech sheets for more information on KD primers.

GROUND COAT

- KD3000 Series
- All Shimrin2 Basecoats

VEHICLE MUST BE ONE EVEN COLOR BEFORE APPLICATION OF BASE COAT. Sealers are commonly used as a ground coat for Shimrin2 graphic kolors. Use a House of Kolor sealer closest to the base color for faster coverage of base coats. When using sealer, allow flash time. See tech sheet for information on sealers.

SANDING SUBSTRATE

Typically, S2-SG Graphic Kolors do not require sanding or scuffing as long as they havent sat more than 4 hours prior to top coating. In the event it will have to sit beyond 4 hours such as when performing artwork, it should be sanded. Recommended grit is 500–600 wet or dry. You can also use a gray scuff pad.

COMPONENTS

SHIMRIN2 GRAPHIC KOLORS		LV SERIES REDUCER	RU SERIES REDUCER
S2-SG01 HS MAROON	S2-SG05 HS RED	RU300	RU310
S2-SG02 HS GREEN	S2-SG06 HS BLUE	RU301	RU311
S2-SG03 HS MAGENTA	S2-SG07 HS ORANGE		RU312
S2-SG04 HS YELLOW			RU313
			RU315

MIXING RATIO

For 5.0 lb./gal. (600 g/L.) VOC Compliance (US National Rule) - (2:1 by volume)
- 2 parts Shimrin2 Graphic Kolors (S2-SG01 - 07)
- 1 part RU310, 311, 312, 313 Reducers

Note: 90/10 blend max. RU310 - 313 and RU315

For 3.5 lb./gal. (420 g/L.) VOC Compliance (Low VOC) - (2:1 by volume)
- 2 parts Shimrin2 Graphic Kolors (S2-SG01 - 07)
- 1 part RU300 or RU301 LV Exempt Reducers

Note: 90/10 blend max. RU300 or RU301 LV Series / RU310, 311, 312, 313 Series Reducers

GUN SETUP

Refer to spray gun manufacturer instructions for setup.

CLEAN UP

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

APPLICATION

Strain the paint into the paint gun. Gun distance while spraying should be approximately 6 inches. Apply 2–3 medium coats with 50% pattern overlap. Walk long objects. Allow flash time between coats. Shimrin® Graphic Kolors will dry dull. Allow dry time before Kandy or clear is applied (usually about 15 to 60 minutes and not longer than 4 hours). Artwork may usually be taped after 1 hour of dry time. Dry time may vary based on shop and weather conditions.

ARTWORK & INTERCOAT USE (optional)

- Graphic Kolors, with their low solids, are an excellent choice for artwork. If artwork is planned, you may tape directly onto the base.
- 2 medium coats of C2C-SG100 Intercoat. The intercoat will protect the base from mistapes.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	2 : 1			
	RU310-313 Series Reducers		LV Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	4.2 Max.	505 Max.	1.9 Max.	227 Max.
Regulatory VOC (less water & exempt solvents)	5.0 Max.	600 Max.	3.5 Max.	420 Max.
Density	8 - 10	960 - 1200	8 - 10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	34 - 37	28 - 30	32 - 37	28 - 30
Total Volatile Content	63 - 66	70 - 72	63 - 68	70 - 72
Water	0	0	0	0
Exempt Compound Content	16 - 20	16 - 20	46 - 50	46 - 50
Coating Category	Two Stage Topcoat / Color Coating			

NOTE: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional reducer blend.

FOR REST-OF-WORLD

RTS Regulatory Data	2 : 1	
	RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	6.7 Max.	800 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	34 - 37	28 - 30
Total Volatile Content	63 - 66	70 - 72
Water	0	0
Coating Category	Two Stage Topcoat / Color Coating	

NOTE: ROW is considered all areas outside US/Canada.

GENERAL INFORMATION

House of Kolor Shimrin2 Basecoat system is an intermix system composed of Effect packs, Karrier bases, Urethane Kandys and Kandy Basecoats.

SUBSTRATE

- Properly Prepared House of Kolor Primers & Sealers
- SS01 Silver Sealer
- S2-BC02 Orion SilverMax
- Shimrin2 Basecoats
- Properly cured and prepared OEM Finishes

COMPONENTS

SHIMRIN2 KARRIER BASES	S2- FX EFFECT PACS	
S2-00	S2-FX01	S2-FX35
S2-01	S2-FX02	S2-FX36
S2-02	S2-FX03	S2-FX37
S2-03	S2-FX04	S2-FX38
S2-04	S2-FX05	S2-FX39
S2-05	S2-FX21	S2-FX41
S2-06	S2-FX22	S2-FX42
S2-07	S2-FX23	S2-FX43
S2-08	S2-FX24	S2-FX44
S2-09	S2-FX25	S2-FX45
S2-10	S2-FX26	S2-FX46
S2-11	S2-FX30	S2-FX47
S2-12	S2-FX31	S2-FX61
S2-13	S2-FX32	S2-FX62
S2-14	S2-FX33	S2-FX65
S2-15	S2-FX34	S2-FX66
S2-16	S2-FX32	S2-FX67
S2-17	S2-FX33	
S2-18	S2-FX34	

LV SERIES REDUCER	RU SERIES REDUCER
RU300	RU310
RU301	RU311
	RU312
	RU313
	RU315

GUN SET UP

Refer to spray gun manufacturer's recommendations

APPLICATION

Apply 2 to 3 medium coats of Shimrin2® Basecoat with a 75% pattern overlap. Depending on your combination of color and pearls, using a 75% overlap with proper gun adjustments will eliminate blotching issues and streaks. Allow each coat to flash dull (Typically 5 to 15 minutes) between coats. If you intend to do artwork over the Shimrin2® base coat, we suggest you allow the base coat to flash 15 minutes then apply 2 medium coats of C2C-SG100 Intercoat (see tech sheet on C2C-SG100) to protect against tape tracking and overspray under the masking tape, etc. For "touch ups & blending".

CLEAN UP

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

DRY TIME

Allow to flash from 30 minutes up to 4 hours maximum prior to applying klear. House of Kolor klears (UC21, USC01, UC35) is recommended for maximum durability and protection of your custom paint project. House of Kolor Klears have 2 times the UV blocking capability of regular automotive clear. Do not Intermix other manufacturers' products with House of Kolor.

MIXING RATIO

For 5.9 lb./gal. (705 g/L.) VOC Compliance
(US National Rule) - (2:1 by volume)
- 2 parts Shimrin2 Karrier Bases
- 1 part RU Reducer (RU310, RU311, RU312 or RU313)

NOTE: 90/10 blend max. RU Series Reducers / RU315

For 3.5 lb./gal. (420 g/L.) VOC Compliance
(Low VOC) - (2:1 by volume)
- 2 parts Shimrin2 Karrier Bases
- 1 part RU Reducer (RU300 or RU301)

NOTE: 90/10 blend max. RU300 or RU301 LV Series / RU310, 311, 312, 313 Series Reducers

For 5.9 lb./gal. (705 g/L.) VOC Compliance
(US National Rule) - (3:1:2 by volume)
- 3 parts Shimrin2 Karrier Bases
- 1 Part S2-FX Effect Pac
- 2 part RU Reducer (RU310, RU311, RU312 or RU313)

NOTE: 90/10 blend max. RU Series Reducers / RU315

For 3.5 lb./gal. (420 g/L.) VOC Compliance
(Low VOC) - (3:1:2 by volume)
- 3 parts Shimrin2 Karrier Bases
- 1 Part S2-FX Effect Pac
- 2 part RU Reducer (RU300 or RU301)

NOTE: 90/10 blend max. RU300 or RU301 LV Series / RU310, 311, 312, 313, 315 Series Reducers

TECHNICAL DATA

FOR REST-OF-WORLD

RTS Regulatory Data	2 : 1		3 : 1 : 2	
	RU310-313 Series Reducers		RU310-313 Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
VOC	8.8 Max.	1060 Max.	8.8 Max.	1060 Max.
Density	8 - 10	960 - 1200	8 - 10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	13 - 18	13 - 18	13 - 18	13 - 18
Total Volatile Content	82 - 87	82 - 87	82 - 87	82 - 87
Water	0	0	0	0
Category	Two Stage Topcoat / Color Coating			

NOTE: ROW considered areas outside the US & Canada.

TECHNICAL DATA (continued)

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	2 : 1		2 : 1		3 : 1 : 2		3 : 1 : 2	
	RU310-313 Series Reducers		RU300 & 301 LV Series Reducers		RU310-313 Series Reducers		RU300 & 301 LV Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.4 Max.	410 Max.	0.95 Max.	115 Max.	3.3 Max.	390 Max.	0.95 Max.	115 Max.
Regulatory VOC (less water & exempt solvents)	5.9 Max.	705 Max.	3.5 Max.	420 Max.	5.9 Max.	705 Max.	3.5 Max.	420 Max.
Density	8–10	960–1200	8–10	960–1200	8–10	960–1200	8–10	960–1200
	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %
Total Solid Content	13–18	13–18	13–18	13–18	13–18	13–18	13–18	13–18
Total Volatile Content	82–87	82–87	82–87	82–87	82–87	82–87	82–87	82–87
Water	0	0	0	0	0	0	0	0
Exempt Compound Content	42–46	42–46	73–77	73–77	45–48	45–48	73–77	73–77
Category	Two Stage Topcoat / Color Coating							

NOTE: US/Canada Regulations allow for the use of exempt compounds for VOC calculations. Includes optional reducer blends using the RU Series Reducers.

T&T TIPS AND TRICKS

- Excellent basecoat choices over the DTS foundation surfacers / sealer are House of Kolor's SS01 Silver Sealer, S2-BC02 or S2-25 / S2-26.
- The color of the ground coat will effect the appearance of the basecoat.
- We recommend using a ground coat color that is closest to the Shimrin2 basecoat color. This will reduce the number of layers of basecoats required to achieve desired color or effect.
- HOK1052015 Color Check Panel, a must have color tool. This innovative spray-out panel consists of 62 KD3000 series color variations. Color styling has never been easier or faster. Simply apply basecoats over panel to achieve an instant library of colors and effects.
- Walk long objects for an even application.

GENERAL INFORMATION

Shimrin2 intermix Kandy basecoat system is a low VOC product that is designed specifically for kustom painting. This system will provide extreme clarity, depth, and a kandy-like appearance. This 3-stage system will give you all the tools you'll need to create a truly Kustom Kandy Basecoat finish.

PREPARATION

Please be aware that Shimrin2 bases, Kandy's and Klears can be susceptible to staining or bleeding from polyester body fillers, putties, fiberglass resins and some primers. To prevent staining, Please refer to the tech pages on KD3000 Series. It is important to maintain at least a 2 dry mil film thickness of KD3000 Series DTS Foundation Surfacer Sealer.

SUBSTRATE

- Properly prepared House of Kolor primers and sealers
- SS01 Silver Sealer (Tinted with Kandy Koncentrates)
- S2-BC02
- Shimrin2 basecoats
- Properly cured and prepared OEM Finishes

COMPONENTS

KK KANDY KONCENTRATES		TRANS NEBULAE
KK01 BRANDYWINE	KK10 PURPLE	S2-00 TRANS NEBULAE
KK02 LIME GOLD	KK11 APPLE RED	
KK03 WILD CHERRY	KK12 PAGAN GOLD	
KK04 ORIENTAL BLUE	KK13 BURPLE	
KK05 COBALT BLUE	KK14 SPANISH GOLD	
KK06 BURGUNDY	KK15 TEAL	
KK07 ROOTBEER	KK16 MAGENTA	
KK08 TANGERINE	KK18 PINK (LIMITED USE DUE TO FADING POTENTIAL)	
KK09 ORGANIC GREEN	KK22 VOODOO VIOLET	

FX EFFECT PACKS	LV SERIES REDUCER	RU SERIES REDUCER
FX METALUME SERIES	RU300	RU310
FX KOSAMENE SERIES	RU301	RU311
FX KOSMATIC STYLING PEARL SERIES		RU312
FX METAJULS SERIES		RU313
FX KOSMIC SPARKS SERIES		RU315

GUN SETUP

Refer to spray gun manufacturer's recommendations

APPLICATION

Apply 3 to 4 medium coats of Shimrin2® Kandy basecoat with a 75% pattern overlap. Allow each coat to flash dull (Typically 5 to 15 minutes) between coats. Walk long objects. Avoid dry spraying, as loss of adhesion is possible. If you intend to do artwork over the Shimrin2 Kandy basecoat, we suggest you allow the basecoat to flash 15 minutes then apply 2 medium coats of C2C-SG100 Intercoat (see tech sheet on C2C-SG100) to protect against tape tracking and overspray under the masking tape, etc.

DRY TIME

Allow to flash from 30 minutes up to 4 hours maximum prior to applying klear. House of Kolor Klear is recommended for maximum durability and protection of your custom paint project. House of Kolor klears have 2x the UV blocking capability of regular automotive clear. Do not intermix other manufacturers' products with House of Kolor.

MIXING RATIO

FOR US National Rule VOC Compliance
(8 : 1 : 1/2 : 50%)

- 8 parts S2-00 Trans Nebulae
- 1 part KK Kandy Koncentrates
- Up to 1/2 part S2-FX Effect Pac
- After you have assembled Kandy Basecoat mixture, Reduce 50% with RU Series Reducers RU310, RU311, RU312, RU313 (2 parts Kandy Basecoat mixture to 1 part RU Series Reducer, or 2:1)

Note: 90/10 blend max. RU Series Reducers with RU315 if needed.

For 3.5 lbs/gal (420 g/L) VOC Compliance (Low VOC)
(8 : 1 : 1/2 : 50%)

- 8 parts S2-00 Trans Nebulae
- 1 part KK Kandy Koncentrates
- Up to 1/2 part S2-FX Effect Pac
- After you have assembled Kandy Basecoat mixture, Reduce 50% with RU Series Reducers RU300 or RU301 (2 parts Kandy Basecoat mixture to 1 part RU Series Reducer, or 2:1)

Note: 90/10 blend max. RU300 or RU301 LV Series / RU310, 311, 312, 313 Series Reducers. If RU315 is needed you may replace half of the 10% blend.

CLEAN UP

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

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	8 : 1 : 1/2 : 50%			
	RU310-313 Series Reducers		LV Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.0 Max.	360 Max.	0.7 Max.	75 Max.
Regulatory VOC (less water & exempt solvents)	5.95 Max.	715 Max.	3.5 Max.	420 Max.
Density	8–10	960–1200	8–10	960–1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	10–15	9–14	9–14	9–14
Total Volatile Content	85–90	86–91	86–91	86–91
Water	0	0	0	0
Exempt Compound Content	53 - 56	50 - 53	84 - 87	84 - 87
Coating Category	Two Stage Topcoat / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional reducer blends.

TECHNICAL DATA (continued)

FOR REST-OF-WORLD

RTS Regulatory Data	8 : 1 : 1/2 : 50% RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	9.0 Max.	1080 Max.
Density	8–10	960–1200
	Weight %	Volume %
Total Solid Content	10–15	9 –14
Total Volatile Content	85–90	86–91
Water	0	0
Coating Category	Two Stage Topcoat / Color Coating	

Note: ROW considered areas outside of US/Canada. Calculations include optional reducer blends.

KBC "V" FORMULA INFORMATION

Shimrin2 KBC V Formulas are typically used to create deeper kandies. This adjusted mixing ratio **isnt meant for all KBC mixtures** just for formulas marked with a "V".

EXAMPLE KBC "V" FORMULA

HOK000123V1-04

V FORMULA MIXING INSTRUCTIONS			
	KBC MIXTURE	*EFFECT PACK*	*REDUCE*
V1	8 oz	1 tsp	REDUCE "V" FORMULA MIXTURE 50% WITH HOUSE OF KOLOR REDUCERS.
V2	8 oz	1/2 tsp	

TIPS AND TRICKS

- KK18 Kandy Koncentrate Pink has limited light fastness and should only be used on products that have limited exposure to sunlight. Use with discretion. KK18 is recommended for show vehicles.
- For richer deeper kandy appearance, use online V formulas or HOKCC160.
- All Shimrin2 Kandy basecoats are translucent. It is critical the vehicle or substrate is ground coated with one even color. Excellent ground coat options are SS01 Silver Sealer, S2-BC02 and all Shimrin2 bases. The color of the ground coat will effect the appearance of the Kandy basecoat. Darker basecoats improve sprayability and depth.
- S2-25 must be applied over KD3001 Black, to avoid milky side cast.
- HOK1052015 Color Check Panel is a spray-out panel consisting of 62 KD3000 series color variations.

GENERAL INFORMATION

UKK01 Urethane Kandy Karrier is VOC compliant coast to coast. UKK01 can be applied as a medium solids Kandy or as a low solids Kandy. Simply reduce, catalyze and choose a kandy koncentrate from our product line. UKK01 is the key to spraying that perfect true kandy job.

SUBSTRATE

All House of Kolor basecoats and properly cured and prepared OEM finishes

PREPARATION

Please be aware that Shimrin2 bases, Kandy's and Klears can be susceptible to staining or bleeding from polyester body fillers, putties, fiberglass resins and some primers. To prevent staining, Please refer to the tech pages on KD3000 DTS Foundation Surfacer Sealer.

COMPONENTS

KK KANDY KONCENTRATES		URETHANE KANDY KARRIER
KK01 BRANDYWINE	KK10 PURPLE	UKK01 URETHANE KANDY KARRIER
KK02 LIME GOLD	KK11 APPLE RED	
KK03 WILD CHERRY	KK12 PAGAN GOLD	
KK04 ORIENTAL BLUE	KK13 BURPLE	
KK05 COBALT BLUE	KK14 SPANISH GOLD	
KK06 BURGUNDY	KK15 TEAL	
KK07 ROOTBEER	KK16 MAGENTA	
KK08 TANGERINE	KK18 PINK (LIMITED USE DUE TO FADING POTENTIAL)	
KK09 ORGANIC GREEN	KK22 VOODOO VIOLET	

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

GUN SET UP

Refer to spray gun manufacturer's recommendations

APPLICATION

Start with low solids mixture. Apply 1 medium coat with a 75% pattern overlap and allow to flash 10 - 15 minutes then apply 2 more coats at a 75% pattern overlap as medium wet coats. Finish with Medium solids mixture. The final coats should be sprayed at a 50% pattern overlap as medium wet coats (for a total of 4 to 6 coats) allowing to flash 10 - 20 minutes. Shop conditions, air flow, and reducer used will vary flash times. A good rule of thumb is to monitor the finish, allow each coat to go out of string before applying the next coat. (DO NOT rush your recoat time between coats. You could experience solvent popping if product isnt allowed to flash for the proper amount of time. All Kandy finishes must be klear coated. After 20 to 30 minutes begin applying 2 to 3 coats of USC01 Urethane Show Klear for maximum UV protection (Always refer to the appropriate tech sheets on the top coat klear you intend to use).

Notes:

- Lighter colored basecoats require maximum Kandy coats (6 coats).
- Before spraying project paint a test sample for assurance of color desired.
- Do not store uncatalyzed UKK01/KK blends for more than 24 hours. Seeding will occur if mixture sits longer then 12 hours.

MIXING RATIO

Low Solids Kandy 4.8 lb./gal. (576 g/L.) VOC compliance (US National Rule) - (4:1:2 by volume)

- 4 parts UKK01 Urethane Kandy Karrier
- 1 part KU152 catalyst
- 2 parts RU310, 311, 312, 313 Series reducers
- Add KK Koncentrates to desired strength (2-4 oz. per ready to spray quart of UKK01 is recommended)

Optional: 5% AX02 to ready to spray quart. 90/10 blend RU 310-313 with RU315

Medium Solids Kandy 4.2 lb./gal. (500 g/L.) VOC Compliance (US National Rule) - (4:1:1 by volume)

- 4 parts UKK01 Urethane Kandy Karrier
- 1 part KU152 catalyst
- 1 part RU310, 311, 312, 313 Series reducers
- Add KK Koncentrates to desired strength (2-4 oz. per ready to spray quart of UKK01 is recommended)

Optional: 5% AX02 to ready to spray quart. 90/10 blend RU 310-313 with RU315

Low Solids Kandy 3.5 lb./gal. (420 g/L.) VOC Compliance (Low VOC) - (4:1:2 by volume)

- 4 parts UKK01 Urethane Kandy Karrier
- 1 part KU152 catalyst
- 2 parts RU300 or RU301 LV Series Exempt reducers

Note: 90/10 blend max. RU300 or RU301 LV Series / RU310, 311, 312, 313 Series Reducers

- Add KK Koncentrates to desired strength (2-4 oz. per ready to spray quart of UKK01 is recommended)

Optional: 5% AX02 to ready to spray quart. 90/10 blend RU 310-313 with RU315

Medium Solids Kandy 3.5 lb./gal. (420 g/L.) VOC Compliance (Low VOC) - (4:1:1 by volume)

- 4 parts UKK01 Urethane Kandy Karrier
- 1 part KU152 catalyst
- 1 part RU300 or RU301 LV Series Exempt reducers

Note: 80/20 blend max. RU300 or RU301 LV Series / RU310, 311, 312, 313 Series Reducers

- Add KK Koncentrates to desired strength (2-4 oz. per ready to spray quart of UKK01 is recommended)

Optional: 5% AX02 to ready -to-spray quart. 90/10 blend RU 310-313 with RU315

DRY TIME

- Air dry at 70°F = 24 hours
- Air dry at 70°F with AX02 added at 5% of RTS quart mix = 4–6 hours
- Force dry at 140°F = Allow the finish to flash 30 minutes, bake time should be 1 hour with 1 hour cool down.

NOTE: Based upon weather conditions, number of coats, solvent speed, and flash time between coats, etc., it is not unusual for the finish 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.

CLEANUP

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

TIPS AND TRICKS

- One of the notable features of UKK01 is its lack of sensitivity to longer dry time between coats. Urethane Kandy Karrier wont react with up to 30 min between coats, allowing larger, more complicated vehicles to be painted with more ease.
- It is extremely important that you use only KU152 catalyst for UKK01.
- KU152 is moisture sensitive and will not keep for long periods of time once opened. Keep the container tightly sealed.
- DO NOT OVER CATALYZE.
- Walk long objects for an even application.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	4 : 1 : 1		4 : 1 : 1		4 : 1 : 2		4 : 1 : 2	
	RU310 - 313 Series Reducers		LV Exempt Series Reducers		RU310 - 313 Series Reducers		LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.0 Max.	360 Max.	2.1 Max.	256 Max.	3.7 Max.	440 Max.	1.95 Max.	235 Max.
Regulatory VOC (less water & exempt solvents)	4.2 Max.	500 Max.	3.5 Max.	420 Max.	4.8 Max.	576 Max.	3.5 Max.	420 Max.
Density	8–10	960–1200	8–10	960–1200	8–10	960–1200	8–10	960–1200
	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %
Total Solid Content	32–36	30–34	32–36	30–34	28–32	25–29	26–30	25–29
Total Volatile Content	64–68	66–70	64–68	66–70	68–72	71–75	70–74	71–75
Water	0	0	0	0	0	0	0	0
Exempt Compound Content	32–36	28–32	45–49	39–43	28–32	24–28	51–55	45–49
Category	Top coat of more than Two Stages / Color Coating							

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

FOR REST-OF-WORLD

RTS Regulatory Data	4 : 1 : 1		4 : 1 : 2	
	RU310 - 313 Series Reducers			
	LBS/GAL	g/L	LBS/GAL	g/L
VOC	6.8 Max.	820 Max.	7.2 Max.	864 Max.
Density	8–10	960–1200	8–10	960–1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	32–36	30–34	28–32	25–29
Total Volatile Content	64–68	66–70	68–72	71–75
Water	0	0	0	0
Category	Two Stage Topcoat / Color Coating			

NOTE: ROW considered areas outside US/Canada.

GENERAL INFORMATION

Kosmic Kolor Urethane Enamel Kandys are a collection of 18 kandy colors. Due to its difficulty we suggest spraying Kandy Basecoats (KBC), for ease of application. This product is for use in US National rule areas only.

PREPARATION

Please be aware that Shimrin2 bases, Kandy's and Klears can be susceptible to staining or bleeding from polyester body fillers, putties, fiberglass resins and some primers. To prevent staining, please refer to the tech pages on KD3000 Series. It is important to maintain at least a 2 dry mil film thickness of KD3000 Series DTS Foundation Surfacer Sealer.

SUBSTRATE

- Properly Prepared House of Kolor primers and sealers
- Properly Prepared House of Kolor basecoats

NOTE: The vehicle must be one even color before applying UK to prevent color variations.

COMPONENTS

KK KANDY KONCENTRATES		
UK01 BRANDYWINE	UK07 ROOT BEER	UK13 BURPLE
UK02 LIME GOLD	UK08 TANGERINE	UK14 SPANISH GOLD
UK03 WILD CHERRY	UK09 ORGANIC GREEN	UK15 TEAL
UK04 ORIENTAL BLUE	UK10 PURPLE	UK16 MAGENTA
UK05 COBALT BLUE	UK11 APPLE RED	UK18 PINK (LIMITED USE DUE TO FADING POTENTIAL)
UK06 BURGUNDY	UK12 PAGAN GOLD	UK22 VOODOO VIOLET

CATAYLST	RU SERIES REDUCER
KU100	RU310
KU150	RU311
	RU312
	RU313

GUN SETUP

Refer to spray gun manufacturer's recommendations

MIXING RATIO

FOR 5.2 lbs / gal (630 g / L) VOC Compliance (US National Rule)
(2 : 1 : 1)

- 2 parts Kosmic Kolor Urethane
- 1 part KU100 or KU150
- 1 part RU Reducer

APPLICATION

The application of "Kandy Type" finishes are among the most demanding of all finishes applied. Great attention must be paid in spray gun settings, number of coats and basic spray gun techniques. The following steps, when observed, provide consistent results. **All kandy finishes must be clear coated** for maximum UV protection. (always refer to appropriate TDS on the top coat clear you intend to use) Walk long objects for an even application.

DRY TIME

AIR DRY @ 70°F	
Dry Time	24 Hours

FORCE DRY @ 140°F	
Dry Time	30 Minutes

CLEANUP

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

TECHNICAL DATA

FOR USA (National Rule Only)

RTS Regulatory Data	2 : 1 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
Actual VOC	4.5 Max.	536 Max.
Regulatory VOC (less water & exempt solvents)	5.2 Max.	630 Max.
Density	8 - 9	960 - 1080
	Weight %	Volume %
Total Solid Content	27 - 30	24 - 27
Total Volatile Content	70 - 73	73 - 76
Water	0	0
Exempt Compound Content	20 - 25	15 - 20
Coating Category	Topcoat of more than two stages / Color Coating	

Note: US Regulations allow for the use of exempt compounds for VOC calculations.

FOR REST-OF-WORLD

RTS Regulatory Data	2 : 1 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	6.6 Max.	795 Max.
Density	8 - 9	960 - 1080
	Weight %	Volume %
Total Solid Content	20 - 30	24 - 27
Total Volatile Content	70 - 73	73 - 76
Water	0	0
Coating Category	Two Stage Topcoat / Color Coating	

NOTE: ROW considered areas outside of US/Canada.

T&T TIPS AND TRICKS

- 2–3 coats with 75% overlap; final coats with 50% overlap.
- Spray entire length of object, along straight lines.
- Apply 2–3 coats of top coat clear for protection.
- After 20–30 minutes begin applying 2–3 coats of our House of Kolor Klear. (USC01, UC21, UC35)

GENERAL INFORMATION

House of Kolor's Limited Edition (LE) Factory Packs will be available for a limited time, but are always available to be mixed in the Shimrin2 Intermix System. Mixing ratios can be found at houseofkolor.com.

COMPONENTS

C2C - LE Factory Packs	LV SERIES REDUCER	RU SERIES REDUCER
For Entire product list visit Houseofkolor.com	RU300	RU310
	RU301	RU311
		RU312
		RU313
		RU315

MIXING RATIO

For 3.5 lbc / gal (420 g/L) VOC compliant (Low VOC)
Coast-2-Coast

- 2 parts C2C-LE Factory Pack
- 1 part LV reducer

For US National Rule compliance

- 2 parts C2C-LE Factory Pack
- 1 part RU reducer

Optional: 90 / 10 blend RU310 - 313 with RU315

SURFACE PREPARATION

Surfaces should be prepared using House of Kolor's proven undercoat system.

TOPCOATS

Compatible with all House of Kolor clear coats

NOTE: All House of Kolor Bases must be clear coated

SUBSTRATES

KD3000 Series Primers/Sealers

TECHNICAL DATA

For USA (Low VOC) / Canada

RTS REGULATORY DATA	2:1 (LV Series Reducers)	
	LBS./GAL.	g/L
Actual VOC	1.0 Max.	120 Max.
Regulatory VOC (less water and exempt solvents)	3.5 Max.	420 Max.
Density	8 - 10	960 - 1200
	WT.%	VOL.%
Total Solids Content	12-16	12-16
Total Volatile Content	84 - 88	84 - 88
Water	0	0
Exempt Compound Content	75-80	72-77
Coating Category	Color Coat	

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

TECHNICAL DATA (continued)

For US NATIONAL RULE

RTS REGULATORY DATA	2:1 (RU Series Reducers)	
	LBS./GAL.	g/L
Actual VOC	3.8 Max.	455 Max.
Regulatory VOC (less water and exempt solvents)	5.8 Max.	700 Max.
Density	8 - 9	960 - 1080
	WT.%	VOL.%
Total Solids Content	14 - 18	12-16
Total Volatile Content	82 - 86	84 - 88
Water	0	0
Exempt Compound Content	42 - 49	35 - 42
Coating Category	Color Coat	

NOTE: US Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional reducer blends.

For rest-of-world (outside of US and Canada)

RTS REGULATORY DATA	2:1 (RU Series Reducers)	
	LBS./GAL.	g/L
Actual VOC	8.0 Max.	960 Max.
Density	8 - 9	960 - 1080
	WT.%	VOL.%
Total Solids Content	12-16	12-16
Total Volatile Content	84 - 88	84 - 88
Water	0	0
Coating Category	Color Coat	

NOTE: ROW considered areas outside of US/Canada.

GENERAL INFORMATION

Kandy Basecoats are a mixture of Kandy and select pearls, into a Shimrin basecoat, designed for custom painting. This system provides extreme clarity, depth, and kandy-like appearance in a Factory Pack system. The "C2C" version is Coast-2-Coast compliant, meeting all low-VOC regulatory limits, in a solvent-based system.

PREPARATION

Please be aware that House of Kolor bases, Kandy's and Klears can be susceptible to staining or bleeding from polyester body fillers, putties, fiberglass resins and some primers. To prevent staining, Please refer to the Technical Data Sheet for KD3000 Series Primer/Sealers.

SUBSTRATE

- Properly Prepared House of Kolor Primers & Sealers
- SS01 Silver Sealer (Tinted with Kandy Koncentrates)
- S2-26 Bright White
- House of Kolor Basecoats
- Properly cured and prepared OEM Finishes

GROUND COAT

ALL KBC & C2C KANDY BASECOATS ARE TRANSLUCENT. IT IS CRITICAL THE VEHICLE OR SUBSTRATE IS GROUND COATED WITH ONE EVEN HOUSE OF KOLOR BASECOAT COLOR.

NOTE: Sealer is not a cure-all for poor preparation and does not prevent discoloration or bleeding. The main purpose of the sealer is to increase adhesion of topcoats, to make the object one color (nearest to the base for faster coverage), and to improve color holdout.

COMPONENTS

KBC FACTORY PACKS (NATIONAL RULE ONLY)	C2C-KBC FACTORY PACKS
For Entire KBC product list visit Houseofkolor.com	For Entire C2C-KBC product list visit Houseofkolor.com

LV SERIES REDUCER	RU SERIES REDUCER
RU300	RU310
RU301	RU311
	RU312
	RU313
	RU315

GUN SETUP

Refer to spray gun manufacturer's recommendations

MIXING RATIO

For KBC or C2C-KBC National Rule VOC Compliance - (2 : 1 by volume)
- 2 parts KBC or C2C-KBC Factory Pack
- 1 part RU310-RU313 RU Series Reducers

optional: 90 / 10 blend RU310 - 313 with RU315

For C2C-KBC 3.5 lb/gal (420 g/L) VOC Compliance (Low VOC) - (2 : 1 by volume)
- 2 parts C2C-KBC Factory Pack
- 1 part LV Exempt Series Reducers RU300 or RU301

DRY TIME

Allow to flash from 30 minutes up to 4 hours maximum prior to applying House of Kolor's klear. Do not Intermix other manufacturers' products with House of Kolor to avoid potential problems.

APPLICATION

Apply 3 to 4 medium coats of C2C Kandy Basecoat with a 75% pattern overlap. Allow each coat to flash dull (Typically 5 to 15 minutes) between coats. Walk long objects. Avoid dry spraying, as loss of adhesion is possible. If you intend to do artwork over the C2C Kandy Basecoat, we suggest you allow the basecoat to flash 15 minutes then apply 2 medium coats of C2C-SG100 Intercoat (see tech sheet on C2C-SG100) to protect against tape tracking and overspray under the masking tape, etc. for art work only.

CLEANUP

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

TECHNICAL DATA

FOR USA (National Rule): KBC Factory Pack

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
Actual VOC	6.8 Max.	815 Max.
Regulatory VOC (less water & exempt solvents)	6.8 Max.	815 Max.
Density	7 - 9	840 - 1080
	Weight %	Volume %
Total Solid Content	10 - 15	8 - 13
Total Volatile Content	85 - 90	87 - 92
Water	0	0
Exempt Compound Content	0	0
Coating Category	Two Stage Topcoat / Color Coating	

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional reducer blends.

FOR REST-OF-WORLD: KBC & C2C-KBC Factory Packs

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
Actual VOC	6.8 Max.	815 Max.
Density	7 - 9	840 - 1080
	Weight %	Volume %
Total Solid Content	10 - 16	8 - 14
Total Volatile Content	84 - 90	86 - 92
Water	0	0
Coating Category	Two Stage Topcoat / Color Coating	

Note: ROW considered areas outside of US/Canada.

TECHNICAL DATA (continued)

FOR USA (National Rule & Low VOC) / Canada: C2C-KBC Factory Packs

RTS Regulatory Data	2 : 1			
	RU310-313 Series Reducers		LV Series Reducers RU300 - 301	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.5 Max.	420 Max.	0.9 Max.	105 Max.
Regulatory VOC	5.8 Max.	700 Max.	3.5 Max.	420 Max.
Density	7 - 9	840 - 1080	8 - 10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	10 - 15	9 - 14	11 - 16	9 - 14
Total Volatile Content	84 - 89	86 - 91	84 - 89	86 - 91
Water	0	0	0	0
Exempt Compound Content	40 - 50	40 - 50	75 - 80	75 - 80
Coating Category	Two Stage Topcoat / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.

T&T TIPS AND TRICKS

- All KBC & C2C Kandy basecoats are translucent. It is critial the vehicle or substrate is ground coated with one even color. Excellent ground coat options are SS01 Silver Sealer, S2-BC02 and all House of Kolor Bases. The color of the ground coat will affect the appearance of the KBC & C2C Kandy basecoat dramatically. The darker basecoats improve sprayability and depth.
- S2-25 must be applied over KD3001 Black, to avoid milky side cast.
- KBC Kandy basecoats are for National Rule VOC Areas Only. C2C-KBC basecoats can be used in Low VOC areas when mixed properly (see instructions). Confirm compliance with state and local air quality rules before use.
- HOK1052015 Color Check Panel consists of 62 KD3000 series color variations.

GENERAL INFORMATION

Shimrin Designer Pearls (PBC & C2C-PBC) are universal basecoats in a simple Factory Pack system that may be cleared for a final finish, or used as a base for Kandys or other Pearls. The "C2C" version is Coast-2-Coast compliant, meeting all Low VOC regulatory limits, in a solvent-based system.

PREPARATION

- Surfaces should be prepared using the proven undercoat system following recommended procedures.
- All surfaces should be finish sanded with 600/P800-grit wet or dry sandpaper or equivalent.

SUBSTRATE

- Properly prepared House of Kolor primers
- KD3002 White or S2-26 Bright White
- House of Kolor Basecoats
- Properly cured and prepared OEM finishes

COMPONENTS

PBC FACTORY PACKS (NATIONAL RULE ONLY)	C2C-PBC FACTORY PACKS
For entire PBC product list visit Houseofkolor.com	For entire C2C-PBC product list visit Houseofkolor.com

LV SERIES REDUCER	RU SERIES REDUCER
RU300	RU310
RU301	RU311
	RU312
	RU313

GUN SETUP

Refer to spray gun manufacturer's recommendations

MIXING RATIO

For PBC or C2C-PBC National Rule VOC Compliance - (2 : 1 by volume)

- 2 parts PBC or C2C-PBC Factory Pack
- 1 part RU310-RU313 RU Series Reducers

optional: 90 / 10 of RU310 - 313 with RU315

For C2C-PBC 3.5 lb/gal (420 g/L) VOC Compliance (Low VOC) - (2 : 1 by volume)

- 2 parts C2C-PBC Factory Pack
- 1 part LV Exempt Series Reducers RU300 or RU301

APPLICATION

Apply 2 to 3 medium coats with a 75% pattern overlap. Allow each coat to flash dull (5 to 15 minutes) between coats. Walk long objects, and avoid dry spraying. If you intend to do artwork over the basecoat, we suggest you allow it to flash 15 minutes then apply 2 medium coats of C2C-SG100 Intercoat (see tech sheet on C2C-SG100) to protect against tape tracking and overspray under the masking tape, etc.

DRY TIME

Allow to flash from 30 minutes up to 4 hours maximum prior to applying House of Kolor's klear. Do not Intermix other manufacturers' prod- ucts with House of Kolor to avoid potential problems.

CLEANUP

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

TECHNICAL DATA

FOR USA (National Rule): PBC Factory Packs

RTS Regulatory Data	2 : 1	
	RU310-313 Series Reducers	
	LBS / GAL	g / L
Actual VOC	6.8 Max	815 Max
Regulatory VOC (less water & Exempt Solvents)	6.8 Max	815 Max
Density	7-9	840 - 1080
	Weight %	Volume %
Total Solid Content	10-15	8-13
Total Volatile Content	85-90	87-92
Water	0	0
Exempt Compound Content	0	0
Coating Category	Two Stage Topcoat / Color Coating	

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional Reducer blends.

FOR USA (National Rule & Low VOC) / Canada: C2C-PBC Factory Packs

RTS Regulatory Data	2 : 1			
	RU310-313 Series Reducers		LV Series Reducers RU300-301	
	LBS / GAL	g / L	LBS / GAL	g / L
Actual VOC	3.2 Max	385 Max	0.7 Max	84 Max
Regulatory VOC (less water & Exempt Solvents)	5.8 Max	700 Max	3.5 Max	420 Max
Density	7-9	840 - 1080	8-10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	11-16	9-14	11-16	9-14
Total Volatile Content	84-89	86-91	84-89	86-91
Water	0	0	0	0
Exempt Compound Content	40-50	40-50	80-85	80-85
Coating Category	Two Stage Topcoat / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.

TECHNICAL DATA (continued)

FOR REST-OF-WORLD: PBC & C2C-PBC Factory Packs

RTS Regulatory Data	2 : 1	
	RU310-313 Series Reducers	
	LBS / GAL	g / L
Actual VOC	6.8 Max	815 Max
Density	7-9	840 - 1080
	Weight %	Volume %
Total Solid Content	10-16	8-14
Total Volatile Content	84-90	86-92
Water	0	0
Coating Category	Two Stage Topcoat / Color Coating	

Note: ROW considered areas outside of US/Canada.

T&T TIPS AND TRICKS

- For maximum effect use KD3002 & S2-26 for base color.
- It is critical the vehicle or substrate is ground coated with one even color. Excellent ground coat options are KD3000 DTS Foundation Surfacer Sealers (KD3000 or KD3001 recommended for maximum reflectivity), SS01 Silver Sealer, S2-BC02, all metallic House of Kolor Bases.
- The color of the ground coat will affect the appearance of the PBC & C2C-PBC versions dramatically. The darker basecoats improve sprayability and depth. While lighter basecoats increase visual impact.
- Be sure to do a sample spray panel for personal assurance of color.
- Walk long objects for an even application.

GENERAL INFORMATION

Shimrin Metallic Color Bases (BC / FBC & C2C-BC / C2C-FBC) are universal basecoats in a simple Factory Pack system that may be cleared for a final finish, or used as a base for Kandys. The "C2C" version is Coast-2-Coast compliant, meeting all low-VOC regulatory limits, in a solvent-based system.

PREPARATION

- Surfaces should be prepared using the prover undercoat system following recommended procedures.
- All surfaces should be finish sanded with 600/P800 grit wet or dry sandpaper or equivalent.

SUBSTRATE

- Properly prepared House of Kolor primers and sealers.
- SS01 Silver Sealer (Optional: tinted with Kandy Koncentrates)
- S2-BC02
- House of Kolor Basecoats
- Properly cured and prepared OEM finishes.

COMPONENTS

BC & FBC FACTORY PACKS (NATIONAL RULE ONLY)	C2C-PBC FACTORY PACKS	LV SERIES REDUCER	RU SERIES REDUCER
For Entire BC & FBC product list visit Houseofkolor.com	For Entire C2C-BC & C2C-FBC product list visit Houseofkolor.com	RU300	RU310
		RU301	RU311
			RU312
			RU313

GUN SETUP

Refer to spray gun manufacturer's recommendations

MIXING RATIO

For BC / FBC or C2C-BC / C2C-FBC National Rule VOC Compliance
(2 : 1 by volume)

- 2 parts BC, FBC or C2C-BC, C2C-FBC Factory Pack
- 1 part RU310-RU313 RU Series Reducers

Optional: 90 / 10 of RU310 - 313 with RU315

For C2C-BC / C2C-FBC 3.5 lb/gal (420 g/L) VOC Compliance (Low VOC)
(2 : 1 by volume)

- 2 parts C2C-BC or C2C-FBC Factory Pack
- 1 part LV Exempt Series Reducers RU300 or RU301

APPLICATION

Apply 2 to 3 medium coats with 50% pattern overlap. Allow each coat to flash dull (5 to 15 minutes) between coats. Walk long objects, and avoid dry spraying. If you intend to do artwork over the basecoat, we suggest you allow the basecoat to flash 15 minutes then apply 2 medium coats of C2C-SG100 Intercoat (see tech sheet on C2C-SG100) to protect against tape tracking and overspray under the masking tape, etc.

DRY TIME

Allow to flash from 30 minutes up to 4 hours maximum prior to applying House of Kolor's klear. Do not Intermix other manufacturers' products with House of Kolor to avoid potential problems.

CLEANUP

Clean equipment thoroughly with lacquer thinner or clean up thinner (check local regulations).

TECHNICAL DATA

FOR USA (National Rule): BC & FBC Factory Packs

RTS Regulatory Data	2 : 1	
	RU310-313 Series Reducers	
	LBS / GAL	g / L
Actual VOC	6.8 Max	815 Max
Regulatory VOC (less water & Exempt Solvents)	6.8 Max	815 Max
Density	7-9	840 - 1080
	Weight %	Volume %
Total Solid Content	10-15	8-13
Total Volatile Content	85-90	87-92
Water	0	0
Exempt Compound Content	0	0
Coating Category	Two Stage Topcoat / Color Coating	

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional reducer blends.

FOR USA (National Rule & Low VOC) / Canada:
C2C-BC/C2C-FBC Factory Packs

RTS Regulatory Data	2 : 1			
	RU310-313 Series Reducers		LV Series Reducers RU300-301	
	LBS / GAL	g / L	LBS / GAL	g / L
Actual VOC	6.8 Max	815 Max	0.7 Max	85 Max
Regulatory VOC (less water & Exempt Solvents)	6.8 Max	815 Max	3.5 Max	420 Max
Density	7-9	840 - 1080	7-9	840 - 1080
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	10-15	8-13	10-15	8-13
Total Volatile Content	85-90	87-92	85-90	87-92
Water	0	0	0	0
Exempt Compound Content	40-50	40-50	80-85	80-85
Coating Category	Two Stage Topcoat / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.

FOR REST-OF-WORLD: BC, FBC & C2C-BC, C2C-FBC Factory Packs

RTS Regulatory Data	2 : 1	
	RU310-313 Series Reducers	
	LBS / GAL	g / L
Actual VOC	6.8 Max	815 Max
Density	7-9	840 - 1080
	Weight %	Volume %
Total Solid Content	10-16	8-14
Total Volatile Content	84-90	86-92
Water	0	0
Coating Category	Two Stage Topcoat / Color Coating	

Note: ROW considered areas outside of US/Canada.

GENERAL INFORMATION

Metajuls are an excellent choice for any Kandy finishes. When used as a base coat, MBC01 pale gold creates a dazzling Kandy, while MBC04 gives a prism effect to your any of your finished projects. These two MBC's make Kandy's with exceptional sparkle in the sunlight. This product is for use in US National rule areas only.

SUBSTRATE

- Properly Prepared House of Kolor Primers & Sealers
- All House of Kolor Basecoats
- C2C-SG100 Intercoat
- Aluminum, steel, galvanized steel or sand blasted steel
- Fiberglass
- Properly prepared OEM finishes

SURFACE PREPARATION

- Surfaces should be prepared using the propper undercoat system following recommended procedures
- All surfaces should be finish sanded with 600/P800 grit wet or dry sandpaper or equivalent

COMPONENTS

MBC FACTORY PACKS (NATIONAL RULE ONLY)	RU SERIES REDUCER
MBC01	RU310
MBC04	RU311
	RU312
	RU313

MIXING RATIO

For US National Rule VOC Compliance
(2:1 by volume)

- Two (2) parts MBC Shimrin® Metajuls™ Metallic Series Basecoat
- One (1) part RU reducers

DRY TIME

- At 75°F, allow to flash 15 minutes or untill dull between each coat.
- At 75°F, allow to flash 1 hour before sanding.
- At 75°F, allow to flash 30 - 60 minutes, but no longer than 4 hours before topcoating.

GUN SETUP

Refer to Spray Gun Manufacturer's settings for fluid tip size & P.S.I. air pressure designed for primer application.

TECHNICAL DATA

FOR REST-OF-WORLD (Outside US / Canada)

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	6.8 Max.	815 Max.
Density	7 - 8	840 - 960
	Weight %	Volume %
Total Solid Content	10 - 13	8 - 10
Total Volatile Content	87 - 90	90 - 92
Water	0	0
Coating Category	Color Coat	

TECHNICAL DATA (continued)

FOR USA (National Rule Only)

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
Actual VOC	6.8 Max.	815 Max.
Regulatory VOC (less water & exempt solvents)	6.8 Max.	815 Max.
Density	7 - 8	840 - 960
	Weight %	Volume %
Total Solid Content	10 - 13	8 - 10
Total Volatile Content	87 - 90	90 - 92
Water	0	0
Exempt Compound Content	0	0
Coating Category	Color Coat	

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

T&T TIPS AND TRICKS

- Shimrin Metaljul bases, with their low solids, are an excellent choice for artwork. If artwork is planned, allow to dry, lightly wipe with a white or gray scuff pad to knock down standing flakes while blowing with air (except MBC04 Prism Effect, where flake particles could be damaged) Apply one to two medium coats of C2C-SG100 Intercoat Clear (for urethane enamel topcoats). The clear coat will protect the Shimrin Metaljul base from tape marks and allow cleanup of mistapes.
- Do not sand Shrimrin Metallic Bases directly. Apply C2C-SG100 Intercoat Clear for basecoat protection if sanding is required. If you directly sand the Shimrin Metallic, you may put permanent scratches in the flake. A white or grey scuff pad will do no harm if wiped lightly. Wet or dry.
- C2C-SG100 Intercoat Clear is designed to protect the basecoats for artwork tape-outs and blends only. DO NOT USE C2C-SG100 AS A BUILD-UP OR TOPCOAT CLEAR, AS IT IS NOT WEATHER RESISTANT OR DESIGNED TO EXCEED FOUR (4) COATS. CAUTION: Shimrin basecoats do not have any chemical resistance until cleared. Final wash solvents will remove base coats. Use KC20 Post Sanding Cleaner for cleanup. As always, avoid touching finish with bare skin which may transfer oil.

GENERAL INFORMATION

Shimrin Neons (NE) are designed for high visual impact for racecars, boats, cycles, etc., where colorfastness is not the priority. These colors have limited colorfastness in the sun and will fade with prolonged sun exposure. Neons are not recommended for overall refinishing or any job where a long color life is a requirement. This product is for use in US National rule areas only.

SUBSTRATE

- Properly Prepared House of Kolor primers and sealers.
- All House of Kolor Basecoats
- C2C-SG100 Intercoat Barrier Clear
- Aluminum, steel, galvanized steel or sand blasted steel.
- Fiberglass
- Properly prepared OEM finishes

SURFACE PREPARATION

- Surfaces should be prepared using the prover undercoat system following recommended procedures
- All surfaces should be finish sanded with 600/P800 grit wet or dry sandpaper or equivalent

Note: Neon's must be sprayed over KD3002 or S2-26 for desired finish.

COMPONENTS

SHIMRIN NEON BASECOAT	RU SERIES REDUCER
For Entire NE product list visit Houseofkolor.com	RU310
	RU311
	RU312
	RU313

MIXING RATIO

For US National Rule VOC Compliance
(2:1 by volume)

- Two (2) parts Shimrin NE Series Basecoat
- One (1) part RU reducers

DRY TIME

- At 75°F, allow to flash 15 minutes or until dull between each new coat.
- At 75°F, allow to flash 1 hour before sanding.
- At 75°F, allow to flash 30–60 minutes, but no longer than 4 hours before topcoating.

NOTES:

- DO NOT DRY NEONS OUTSIDE IN THE SUN. The first five (5) hours of sun are the most critical and care must be taken to prevent sun fade or discoloration at these early stages
- Taping on Neons may discolor the Neon and washing in sunlight may water spot or discolor the Neons.
- **ALL NEONS MUST BE CLEAR COATED.**

GUN SETUP

Refer to Spray Gun Manufacturer's settings for fluid tip size & P.S.I. air pressure designed for primer application.

TECHNICAL DATA

FOR USA (National Rule Only)

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
Actual VOC	6.2 Max.	740 Max.
Regulatory VOC (less water & exempt solvents)	6.2 Max.	740 Max.
Density	7- 8	840 - 960
	Weight %	Volume %
Total Solid Content	20 - 25	15 - 20
Total Volatile Content	75 - 80	80 - 85
Water	0	0
Exempt Compound Content	0	0
Coating Category	Color Coat	

FOR REST-OF-WORLD (Outside US and Canada)

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	6.2 Max.	740 Max.
Density	7- 8	840 - 960
	Weight %	Volume %
Total Solid Content	20 - 25	15 - 20
Total Volatile Content	75 - 80	80 - 85
Water	0	0
Coating Category	Color Coat	

T&T TIPS AND TRICKS

- **ALL NEONS MUST BE CLEAR COATED.**
- Do not apply heavy wet coats.
- For extended life, cover or sheild the neons from the sun whenever possible Neons will fade over time, based on sun exposure. Not for constant day to day exposure.
- To increase life, mix 50/50 neon & S2-BC26 White. Creates a pastel base increasing life.
- Now apply pure neon mix, 2 to 3 coats after pastel application.

GENERAL INFORMATION

DP Series pearls can be mixed with all House of Kolor products such as; C2C-SG100 Intercoat, S2-00 Trans Nebulae and House of Kolor basecoats. TO JUDGE MAXIMIUM EFFECT WE SUGGEST VIEWING PEARLS IN DIRECT SUNLIGHT. DP series pearls are suggested over light-colored bases or solid colors for varried effect.

SUBSTRATE

- All House of Kolor Basecoats
- Properly prepared OEM finishes

COMPONENTS

- DRY PEARLS (DP)

MIXING RATIO

Add DP Series Pearls to ready-to-spray mixtures of the following and apply over the base color.

- S2-00
- C2C-SG100
- C2C-SG150

PEARL AMOUNT PER SPRAYABLE MIXED QUART		
TYPE OF PEARL	FOR DARK BASE	FOR LIGHT BASE
DRY PEARL	0.10 – 0.25 oz (1/4–1 tsp)	0.25 – 0.5 oz (1 – 2 tsp)

GUN SETUP

Refer to manufacturer's information for gun set up recommendations

T&T TIPS AND TRICKS

- Refer to product data sheet for final mixing ratios.
- Always do a test panel to gauge the coverage and color. You may need to increase or decrease pearl to achieve the proper coverage and effect.
- The size of the object being painted will also dictate the amount of pearl. Larger objects require less pearl than smaller ones. On large objects, start low and add additional pearl slowly. Too much pearl will reduce the iridescent effect due to overcrowding of the pearl, and may cause mottling or streaking. Apply more coats instead of mixing the pearl too strong.
- When applying pearl over a dark base, do not add too much pearl concentrate as mottling or streaking can occur quite easily. Apply more coats instead of mixing the pearl too strong.
- Pearls may be susceptible to staining or bleeding from plastic fillers, putties, fiberglass resins, and non House of Kolor primers.
- For adding pearl a good rule of thumb is with a stainless mixing paddle. Slowly add pearl and watch pearl run down the paddle edge. If its cloudy you have added too much pearl to the mixture. You want to see an evenly dispersed pearl "dancing" down the edge of your mixing stick.
- Always mix into ready to spray clear or color for desired effect.

GENERAL INFORMATION

Ice Pearl glass flake pigments go beyond traditional pearls in brightness of color, transparency, and reflectivity. They have brightness and sparkle under sunlight conditions. Ice Pearl works best in S2-00 Trans Nebulae & C2C-SG100 intercoat. They are an excellent base for Kandy finishes, giving a brilliant glitter effect. Blends of Ice Pearl pigments give true multicolor effect, showing the individual colors of the pearl used in the blend. Ice Pearl gives the custom painter additional creativity to design "one of a kind" custom finishes.

COMPONENTS

KARRIER	ICE PEARLS	RU SERIES REDUCER
S2-00	For Entire IP product list visit Houseofkolor.com	RU310
C2C-SG100 or 150		RU311
		RU312
		RU313

MIXING RATIO

Add Ice Pearl to mixed ready to spay S2-00 or C2C-SG100 mixture & apply over the base coat. The color of your base will determine how much pearl you use. The following information is a guide for proper mixing:

For Dark Base:

- Mix 0.25–0.5 oz (1–2 tsp) per mixed quart of base.

For Light Base:

- Mix 0.75–1 oz (3–4 tsp) per mixed quart of base.

ICE PEARL AMOUNT PER SPRAYABLE MIXED QUART		
TYPE OF PEARL	FOR DARK BASE	FOR LIGHT BASE
DRY PEARL	0.25 – 0.5 oz (1 - 2 tsp)	0.75 – 1 oz (3 –4 tsp)

GUN SETUP

Refer to manufacturers information for gun set up recommendations

APPLICATION

- Apply 2–4 medium (almost wet) coats, with 75% pattern overlap, and gun distance should be 5–6 inches
- Walk long objects, and allow flash time between coats.

TIPS AND TRICKS

- Unlike most pearls, Ice Pearls tend to act more like a small flake.
- Always do a test panel to gauge the coverage, and color. You may need to adjust Ice Pearl to achieve the proper coverage.
- The size of the object being painted will also dictate the amount of Ice Pearl. Too much Ice Pearl will reduce the iridescent effect due to overcrowding of the Ice Pearl, and may cause streaking. Apply more coats instead of mixing the Ice Pearl too strong.
- During Spray application use bright light to monitor intensity of Ice Pearl.

GENERAL INFORMATION

House of Kolor's line of flakes are another creative tool for the Kustom painter, and will enhance the uniqueness of any paint job. The flakes are offered in 5 different grain sizes. The mini and ultra-mini flakes have the brilliance of much larger flakes, and are an excellent choice for eye catching effects.

SUBSTRATE

- All House of Kolor Products
- Properly cured and prepared OEM finishes

COMPONENTS

KARRIER	FLAKES	RU SERIES REDUCER
S2-00	For Entire Flake product list visit Houseofkolor.com	RU310
C2C-SG100 & 150		RU311
		RU312
		RU313

APPLICATION

WHEN USING LARGE FLAKES – BE SURE YOUR SPRAY GUN HAS A LARGE ENOUGH FLUID TIP TO ALLOW PASSAGE OF THE FLAKE. Strain the ready to spray mixture, then add the flake. Apply 1-2 medium coats with 75% pattern overlap, at 4-5 inches of spraying distance. If spray distance is too great, dry spray can occur, which will be difficult to smooth out. Walk the side of long objects. Allow 15-30 minutes flash between coats. Applying 3 or more coats of flake will greatly increase the roughness of the finish, and require more clear and sanding to smooth out.

T&T TIPS AND TRICKS

- Rules for full coverage
  1) When using fine flakes, less flake will be needed to achieve desired look.
  2) Use a slower reducers with 75% overlap to obtain desired look in 2 coats.
  3) Wait allotted flash times between each coat.
  4) Scuff surface, air tac and then clear coat. (Usa a scuff pad, not sand paper.)
- Always do a test panel to gauge the coverage, color, and roughness. You may need additional flake to achieve the proper coverage in 2 coats.
- Empty gravity feed gun to avoid settling in the gun between coats.
- Stir spray mixture before applying next coat
- Once satisfied with the flake coverage, spray 3 coats of USC01 or UC21.
- Allow proper dry times between coats.
- Let clear dry overnight, dry sand or wet sand with 600 grit. When Sanding the initial three coats pay close attention to your sanding to prevent burn through.
- With a gravity feed gun, remove flakes between coats, simply stir and add for next coat or purchase an agitator gun cup.
- Do not apply Flake with an airbrush (will only clog)
- Use slow reducer for better flow and leveling.
- Flakes may be applied over any of the House of Kolor intercoats, or Shimrin2 basecoat products.

MIXING RATIO

Refer to table below, and appropriate product Technical Data Sheet.

FLAKE AMOUNT - PER SPRAYABLE MIXED QUART				
ITEM #	DESCRIPTION	MIN. NOZZLE SIZE	DARK BASE	LIGHT BASE
F14	RAINBO (1/64)	1.8	4–12 Tbls	12 Tbls
F15	SILVER (1/64)	1.8	4–12 Tbls	12 Tbls
F16	LITE GOLD	1.5	1–3 Tbls	3 Tbls
F17	DARK GOLD	1.5	1–3 Tbls	3 Tbls
F18	ORANGE	1.5	1–3 Tbls	3 Tbls
F19	APRICOT	1.5	1–3 Tbls	3 Tbls
F20	RED	1.5	1–3 Tbls	3 Tbls
F21	FUCHIA	1.5	1–3 Tbls	3 Tbls
F22	ROYAL BLUE	1.5	1–3 Tbls	3 Tbls
F23	GREEN	1.8	4–12 Tbls	12 Tbls
F24	ABALONE	1.5	1–3 Tbls	3 Tbls
F25	SMOKE	1.8	3–9 Tbls	9 Tbls
F28	KAMEN BLUE	1.8	3–9 Tbls	9 Tbls
F31	RICH GOLD	1.8	3–9 Tbls	9 Tbls
F32	FIREBALL	1.5	1–3 Tbls	3 Tbls
F33	FINE RAINBO	1.5	1–3 Tbls	3 Tbls
F34	PINK ROSE	1.8	3–9 Tbls	9 Tbls
F61	MINI KAMEN BLUE	1.5	1–3 Tbls	3 Tbls
F64	MINI RICH GOLD	1.5	1–3 Tbls	3 Tbls
F65	MINI FIREBALL	1.5	1–3 Tbls	3 Tbls
F66	MINI PINK ROSE	1.5	1–3 Tbls	3 Tbls
F70	RED GOLD TRANS	1.5	1–3 Tbls	3 Tbls
F71	GREEN GOLD TRANS	1.5	1–3 Tbls	3 Tbls
F72	BLUE GREEN TRANS	1.5	1–3 Tbls	3 Tbls
F73	VIOLET RED TRANS	1.5	1–3 Tbls	3 Tbls
F74	GREEN TO PURPLE	1.5	4–6 Tbls	6 Tbls
F75	BLUE TO RED	1.5	4–6 Tbls	6 Tbls
F76	GOLD TO GREEN	1.5	4–6 Tbls	6 Tbls
MF01	GOLD MINI FLAKE	1.4	1–3 Tbls	3 Tbls
MF02	SILVER MINI FLAKE	1.4	1–3 Tbls	3 Tbls
UMF01	ULTRA GOLD MINI	1.3	1–3 Tbls	3 Tbls
UMF02	ULTRA SILVER MINI	1.3	1–3 Tbls	3 Tbls
UMF03	ULTRA RAINBO MINI	1.4	1–3 Tbls	3 Tbls
UMF04	ULTRA RAINBO MINI	1.3	1–3 Tbls	3 Tbls

GENERAL INFORMATION

Kameleon Kolor basecoats actually changes color depending on the angle from which it's viewed. Kameleon Kolor undergoes broad color changes and with curved surfaces and sharp angles will bring out the highlights of the Kameleon Kolor. Application procedure can vary the appearance of the Kameleon Kolor basecoats. Kameleon Kolor basecoats must be topcoated.

SUBSTRATE

- All House of Kolor Products
- Properly cured and prepared OEM finishes

COMPONENTS

KAMELEON KOLORS BASECOAT	RU SERIES REDUCER
For Entire KF product list visit Houseofkolor.com	RU310
	RU311
	RU312
	RU313

MIXING RATIO

For US National Rule VOC Compliance

- 2 parts KF Kameleon Kolor basecoat
- 1 part RU310–313 Reducer

APPLICATION

Spray three (3) medium coats with 75% pattern overlap allowing the product to flash dull between coats.

NOTE:

- Apply medium wet coats of KF base to prevent blotching.
- Do not sand Kameleon Kolors without re-basing as the scratches on the metallic platelets are permanent. Use C2C-SG100 Intercoat Clear for protection if sanding is required or art work.

GUN SETUP

Refer to spray gun manufacturer's recommendations

DRY TIME

Allow to flash from 30 minutes between coats or until finish is dull. Wait an additional hour before sanding the product.

TECHNICAL DATA

FOR REST-OF-WORLD (outside US and Canada):

RTS REGULATORY DATA	2:1 RU Series Reducers	
	LBS./GAL.	g/L
VOC	7.4 Max.	890 Max.
Density	7 - 8	840 - 960
	WT.%	VOL.%
Total Solids Content	8 - 10	6 - 8
Total Volatile Content	90 - 92	92 - 94
Water	0	0
Coating Category	Color Coat	

TECHNICAL DATA (continued)

FOR USA (National Rule):

RTS REGULATORY DATA	2:1 RU Series Reducers	
	LBS./GAL.	g/L
Actual VOC	6.9 Max.	825 Max.
Regulatory VOC (less water and exempt solvents)	6.9 Max.	825 Max.
Density	7–8	840–960
	WT.%	VOL.%
Total Solids Content	8–10	6–8
Total Volatile Content	90–92	92–94
Water	0	0
Exempt Compound Content	0	0
Coating Category	Color Coat	

NOTE: US Regulations allow for the use of exempt compounds for VOC calculations.

T&T TIPS AND TRICKS

- If artwork is planned, apply 1 or 2 medium coats of C2C-SG100 Intercoat Clear. This clear coat will protect the Kameleon Kolor base from tape marks and allow cleanup of mistapes.
- Artwork applied over the top of Kameleon Kolor basecoats will reduce or completely eliminate the color-changing effect. We suggest sprayouts be done prior to applying to your job.
- Apply wet coats with a 75% overlap. Dry coats tend to mottle.

GENERAL INFORMATION

The Kosmic Long-Glo has demonstrated better light-fastness when applied over a white base. We recommend using Kosmic Long-Glo with discretion–even though the color may change with time and exposure, the glow-in-the-dark feature remains for a long time. This product appears milky white during daylight and only shows the glo color at night.

SUBSTRATE

- S2-26 Bright White

Maximum glow occurs when Kosmic Long-Glo is applied over a white base. We recommend using our S2-26. Other colors/bases (such as Pearls, Kandys, Neons, Solid Kolors, etc.) may be used for unusual effects, but glow time will be less.

COMPONENTS

KOSMIC LONG-GLO	RU SERIES REDUCER
For Entire KLG product list visit Houseofkolor.com	RU310
	RU311
	RU312
	RU313

MIXING RATIO

Add KLG – KOSMIC LONG-GLO powders to ready-to-spray mixtures of S2-00 or C2C-SG100, and apply over the base color. Finish the job with one of our House of Kolor clears. See appropriate TDS for additional technical information.

KLG - KOSMIC LONG-GLO AMOUNT PER MIXED PINT		
TYPE OF POWDER	Mixture with S2-00	Mixture with C2C-SG100
KLG - KOSMIC LONG-GLO	2–4 oz.	2–4 oz.

GUN SETUP

Refer to manufacturer's information for gun set-up recommendations

APPLICATION

- Apply 3 coats using a 75% pattern overlap when spraying.
- Allow plenty of flash time between coats.
- Clear with House of Kolor USC01.
- For best glow time, apply over a white base.

GLOW TIME: Maximum excitation for Kosmic Long-Glo is UV light (both long and short), daylight and artificial light (Tungsten fluorescent lamps). Sodium vapor or I.R. light sources are unsuitable. Glow time will vary based on application, base color and light exposure. Maximum glow time is 4–12 hours, based on the intensity of the sun rays.

NOTE: Be sure that your spray equipment and environment are very clean and the spray pattern is correct. An uneven spray gun pattern will make proper application impossible. Apply enough coats to achieve the effect you desire. Then apply Kandy or Klear coats.

CLEANUP

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

T&T TIPS AND TRICKS

- KLG is a heavy product and settling occurs quickly. Trans Nebulea helps but stir between each coat.

GENERAL INFORMATION

Marblizer Artistic Bases offer you an exciting marble-like effect. A wide range of effects can be achieved using this unique coating such as, deep marble, snakeskin, or wood grain. Use two colors for increased depth or apply Kandy Koncentrates (KK) for desired effects. This product is for use in US National rule areas only.

SUBSTRATE

- All House of Kolor products
- Properly cured and prepared OEM finishes

COMPONENTS

MARBLIZER ARTISTIC BASECOAT	RU SERIES REDUCER
For entire MB product list visit Houseofkolor.com	RU310
	RU311
	RU312
	RU313

APPLICATION

- Spray one (1) coat with 50% pattern overlap
- Only apply to an area that can be marblizer before it dries.
- Apply 1–2 medium coats of C2C-SG100 to avoid delamination (see appropriate tech sheets)

NOTES:

- Allow Marblizer 20–60 seconds of dry time before applying plastic wrap.
- Marblizers must be clear coated with C2C-SG100 1-2 coats prior to topcoat clear to prevent delamination of topcoat

GUN SETUP

Refer to spray gun manufacturer's recommendations

DRY TIME

Allow to flash from 15 minutes between coats or until finish is dull. Wait an additional hour before sanding the product.

MIXING RATIO

READY-TO-SPRAY

TECHNICAL DATA

FOR USA (National Rule):

RTS REGULATORY DATA	READY-TO-SPRAY	
	LBS./GAL.	g/L
Actual VOC	5.8 Max.	700 Max.
Regulatory VOC (less water and exempt solvents)	5.8 Max.	700 Max.
Density	7 - 8	840 - 960
	WT.%	VOL.%
Total Solids Content	17 - 22	14 - 22
Total Volatile Content	78 - 83	78 - 86
Water	0	0
Exempt Compound Content	0	0
Coating Category	Color Coat	

TECHNICAL DATA (continued)

FOR REST-OF-WORLD (outside US and Canada):

RTS REGULATORY DATA	READY-TO-SPRAY	
	LBS./GAL.	g/L
VOC	5.8 Max.	700 Max.
Density	7 - 8	840 - 960
	WT.%	VOL.%
Total Solids Content	17 - 22	14 - 22
Total Volatile Content	78 - 83	78 - 86
Water	0	0
Coating Category	Color Coat	

T&T TIPS AND TRICKS

- Marblizer bases may be Kandied with either UK Kandy or Kandy Basecoat.
- Create a custom Marblizer effect by adding any dry pearl or flake. Mix one ounce of effect per quart of MB00 Neutral Marblizer and spray.
- Other materials may be used to achieve various effects, such as freezer wrap, bubble pack, sponge, tin foil, newspaper, plastic car covers, plastic garbage bags, etc. For additional depth, try another Marblizer color over the first. Simply wait 15 to 30 minutes and apply another Marblizer®, lay on plastic wrap, being sure to wipe your hand firmly over the entire area you wish to marblize, remove the plastic wrap.
- Do not attempt to mix shimrin bases into the marblizer, only mix dry products.
- 1-2 medium coats of C2C-SG100 must be applied over marblizer after 30 minutes of dry time, to prevent delamination of top coats.
- Marblizer must be topcoat with C2C-SG100 / C2C-SG150 prior to topcoat.

GENERAL INFORMATION

The Kosmic Krome Mirror Reflective Effect Base application is more technically challenging than a normal basecoat paint job and the preparation, substrate, and application process must be strictly followed. This product is for use in US National Rule areas only.

SUBSTRATE

In order for Kosmic Krome Mirror Reflective Effect Base to show the maximum effect, the substrate must be a fully dry, very smooth surface. The smoothness of the substrate will determine the appearance of the metal effect bases. Any scratch from sanding, wiping, or tacking will show through when MC00 is applied

PREPARATION

To get the maximum reflective effect, we recomment the MC00 be applied directly to a surface that has been color-sanded, polished, and cleaned with KC20 and a soft towel. This procedure is required for the complete visual effect of these products; however, ONLY in this situation do we recommend this process. It is known that this process will diminish the integrity of the system.

COMPONENTS

The Kosmic Krome Mirror Reflective Effect Base is provided ready to spray.

MIXING RATIO

READY-FOR-USE

APPLYING KOSMIC KROME BASE (MC00)

Apply as little Kosmic Krome® Mirror Reflective Effect Base as is needed to achieve the desired effect. An example set up would be 1.3 fluid tip open 10-15% with a medium to fast transverse speed. Usually this will be 1-2 thin coats. Over application, including a "wet" type coat, will result in a total loss of effect. The reflective qualities of MC00 will not become visible until flash dry has occurred.

DRY TIME

Allow MC00 to dry for at least 12 hours at 70°F before applying House of Kolor Clearcoats. Up to 24 hour is OK; however, be careful to keep the job clean as aggressive tacking, wiping, or handling can ruin the finish by scratching or smudging the MC00.

TECHNICAL DATA

FOR REST-OF-WORLD (outside US and Canada):

RTS REGULATORY DATA	READY-TO-SPRAY	
	LBS./GAL.	g/L
VOC	9.0 Max	1080 Max
Density	7 - 9	840 - 980
	Weight %	Volume %
Total Solids Content	0.1 - 1	0.1 - 1
Total Volatile Content	99 - 99.9	99 - 99.9
Water	0	0
Coating Category	Two Stage Topcoat	

TECHNICAL DATA (continued)

FOR USA (National Rule Only):

RTS REGULATORY DATA	READY-TO-SPRAY	
	LBS./GAL.	g/L
Actual VOC	6.00 Max	720 Max
Regulatory VOC (less water and exempt solvents)	7.5 Max	900 Max
Density	7 - 9	840 - 980
	Weight %	Volume %
Total Solids Content	0.1 - 1	0.1 - 1
Total Volatile Content	99 - 99.9	99 - 99.9
Water	0	0
Exempt Compound Content	19 - 22	20 - 22
Coating Category	Two Stage Topcoat	

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

T&T TIPS AND TRICKS

- Substrates other than recommended will "absorb" the MC00 base and will produce a gray and inconsistent color.
- Rough paper towels or solvent-based cleaners will cause issues for your MC00 project.
- Open the tack cloth completely and air dry for at least an hour to reduce stickiness. A sticky residue has been known to cause issues with MC00
- Plan your artwork to apply this product last. This will maximize the "metal" effect.

GENERAL INFORMATION

MC Kosmic Krome is designed to be used by an experienced painter who is confident in their abilities. The application process for MC's must be followed to the letter to achieve a final result that's beautiful and interesting. MC can also be combined with other House of Kolor products, to help extend your creative palette and techniques. This product is for use in US National Rule areas only.

SUBSTRATE

To achieve the full effect of MC Kosmic Krome, the substrate must be a fully dry, very smooth surface. The smoothness of the substrate will determine the appearance of the metal effect bases. Any scratch from sanding, wiping, or tacking will show through to your finished product.

PREPARATION

To get the maximum reflective effect, we recomment the MC's be applied directly to a surface that has been color sanded, polished, and cleaned with KC20 and a soft towel. This procedure is required for the complete visual effect of these products, however; ONLY in this situation do we recommend this process. It is known that this process will diminish the integrity of the system.

COMPONENTS

Ready-To-Spray

MIXING RATIO

READY-FOR-USE

APPLICATION

Apply MC Kosmic Krome as little as is needed to achieve the desired effect. This products is completed after an average of 1 - 2 thin coats. Over-application, including a "wet" type coat, will result in a total loss of effect. The reflective qualities of MC will not become visible until flash dry has occurred.

DRY TIME

Allow MC to dry for at least 12 hours at 70°F before applying House of Kolor Clearcoats. For optimal results use waterbased clearcoat and finish with urethane clear.

TECHNICAL DATA

FOR REST-OF-WORLD

RTS Regulatory Data	MC01-04	
	Ready For Use	
	LBS/GAL	g/L
VOC	8.9 Max	1068 Max
Density	7 - 9	840 - 1080
	Weight %	Volume %
Total Solid Content	2 - 7	2 - 7
Total Volatile Content	93 - 98	93 - 98
Water	0	0
Category	Two-Stage Topcoat	

NOTE: Rest-Of-World considered areas outside US/Canada.

TECHNICAL DATA (continued)

FOR USA (National Rule)

RTS Regulatory Data	MC01-04	
	Ready For Use	
	LBS/GAL	g/L
Actual VOC	6.4 Max	765 Max
Regulatory VOC (less water and exmpt solvents)	7.50 Max	900 Max
Density	7 - 9	840 - 1080
	Weight %	Volume %
Total Solid Content	2 - 7	2 - 7
Total Volatile Content	93 - 98	93 - 98
Water	0	0
Exempt Compound Content	15 - 20	15 - 20
Category	Two-Stage Topcoat	

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

T&T TIPS AND TRICKS

- The Kosmic Krome may be Kandied if desired . See appropriate tech sheets for (UK or KBC) Kandy application.
- Substrates other than recommended will "absorb" the MC base and will produce a grey and inconsistent color.
- Rough paper towels or solvent-based cleaners will cause issues for your MC project.
- Open the tack cloth completely and air dry for at least an hour to reduce stickiness. A sticky residue has been known to cause issues with MC
- Always do a test panel, with a complete House of Kolor system.
- When performing artwork over the MC first coat MC with the appropriate House of Kolor Clear not C2C-SG100.

GENERAL INFORMATION

U - Striping & Lettering Enamels feature high pigmentation, and long open times. Apply over existing vehicle finishes or topcoat with clear for a smooth, durable finish. Our Striping & lettering enamels may be topcoated with any House of Kolor Klear. This product is for use in US National Rule areas only,

PREPARATION

Remove all traces of wax, silicone, grease, dirt, etc. If finish is oxidized or dull, polish before striping is begun. If overall clear coats are required, color sand with 500 or 600 grit wet sandpaper. See tech sheet for color-sanding instructions. CAUTION: Do final wipe down with KC20 or water only. Wash solvents will remove the artwork. Mistakes over catalyzed urethane are easily removed with a rag dampened with acetone.

MIXING RATIO

For 5.0 lb/gal (600 g/L) VOC Compliance (US National Rule)

Not Catalyzed

- 16 parts Urethane Striping Enamel
- 1 part Urethane Striping Reducer

Catalyzed

- 8 parts Urethane Striping Enamel
- 1 part Urethane Striping Catalyst

Optional: Add 0–5% U00 Urethane Striping Reducer

APPLICATION

Palette paint in a paper cup or magazine for best results. Use the U00 Striping Reducer as described to maintain proper consistency. Brush back and forth until desired loading is achieved. If topcoating is desired allow artwork to dry a minimum of 1 hour (time will vary depending on temp) before applying clear coat. If striping & lettering enamel are not catalyzed, a clear coat must be applied over artwork to provide artwork longevity. Allow dry time between clear coats to prevent stripes from moving.

TECHNICAL DATA

US (National Rule Only)

RTS Regulatory Data	16 : 1 (No Catalyst)		8 : 1 :0-5% (With Catalyst)	
	U00 Reducer			
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	5.0 Max.	600 Max	5.0 Max.	600 Max.
Regulatory VOC (less water and exempt solvents)	5.0 Max.	600 Max.	5.0 Max.	600 Max.
Density	8.5 – 10.5	1020 – 1260	8.5 – 10.5	1020 – 1260
	Weight%	Volume%	Weight%	Volume%
Total Solid Content	45 – 55	30 – 40	45 – 55	30 – 45
Total Volatile Content	45 – 55	60 – 70	45 – 55	55 – 70
Water	0	0	0	0
Exempt Compound Content	0	0	0	0
Coating Category	Single Stage			

TECHNICAL DATA (continued)

FOR REST-OF-WORLD

RTS Regulatory Data	16 : 1 (No Catalyst)		8 : 1 :0-5% (With Catalyst)	
	U00 Reducer			
	LBS/GAL	g/L	LBS/GAL	g/L
VOC	6.0 Max.	720 Max	6.0 Max.	720 Max.
Density	8.5 – 10.5	1020 – 1260	8.5 – 10.5	1020 – 1260
	Weight%	Volume%	Weight%	Volume%
Total Solid Content	45 – 55	30 – 40	45 – 55	30 – 45
Total Volatile Content	45 – 55	60 – 70	45 – 55	55 – 70
Water	0	0	0	0
Coating Category	Single Stage			

NOTE: Rest-Of-World considered areas outside US/Canada.

T&T TIPS AND TRICKS

- When clearing over artwork, adjust the gun and bring the clear on slowly to prevent sliding of artwork.
- Applying the clear too wet may cause the artwork to slide or run. Allow flash time between coats, and use fast reducers. Catalyzing the stripers may also reduce the tendency for the artwork to slide or run.
- Clean your brush with urethane reducer or lacquer thinner (check local regulations). Many artists will simply fluff the brush with low air pressure after cleaning with reducer.
- Basecoats can be removed with reducers if not clear coated.
- On extensive art jobs, apply two coats of urethane clear before applying pinstriping artwork. You may color sand the clear with 500 - 600 grit wet, after 12 hours at 70 degrees.
- To remove mistakes wipe with U00, RU310 Reducer, or acetone using hard pressure and a clean spot on the rag. Carefully check the area to be sure no residual paint film remains.

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 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 (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 "string test" to confirm proper flashing to house of kolor clear. String Test: Touch the wettest spot and lift, if it is stringing its to wet for the 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 prevents 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. Then add 2 more coats of clear, let cure then cut and polish.

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 Prefered.

TECHNICAL DATA

US (National Rule/Low VOC) / Canada

RTS Regulatory Data	3 : 1 : 1 RU310-313 Series Reducers		3 : 1 : 1 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.

T&T 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 recomended 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 15–45 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 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.

GENERAL INFORMATION

UC35 Kosmic Acrylic Urethane Klear and can be mixed for use Coast-2-Coast. UC35 may be used to topcoat any urethane enamel finish, including all House of Kolor basecoats. UC35 features high gloss and has a good chemical, fuel and water resistance.

PREPARATION

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

COMPONENTS

KLEAR	CATALYST	LV SERIES REDUCER	RU SERIES REDUCER
UC35	KU150	RU300	RU310
		RU301	RU311
			RU312
			RU313
			RU315

MIXING RATIO

FOR US National Rule VOC Compliance
(2:1:1 by volume)

- 2 parts UC35 Kosmic Acrylic Urethane Klear
- 1 part KU150 catalyst
- 1 part RU reducers

optional: 90 / 10 blend of RU310 - 313 with RU315

For 2.1 lbs / gal (250 g / L) VOC Compliance (Low VOC)

- 2 parts UC35 Kosmic Acrylic Urethane Klear
- 1 part KU150 catalyst
- 1 part LV reducers

Optional: 75 / 25 blend max of LV Exempt Series / RU Series reducers
(10% max replacement with RU315)

POT LIFE

Two (2) hours at 77°F (25°C)

GUN SETUP

Refer to spray gun manufacturer's recommendations.

DRY TIME

- Air dry at 77°F for 12 - 24 hours before sanding
- Air dry at 77°F for 30 minutes between coats
- Force Cure with a 30 minute flash, then 40 minutes at 140°F

CLEANUP

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

APPLICATION

- Spray two (2) to three (3) medium wet coats with 50% pattern overlap
- Allow to flash dull between coats

NOTE: Paint should be sticky and not stringing when touched at the wettest point before next coat is applied. Too long of a dry time between coats may cause lifting. If finish feels dry, allow 12 hours before sanding and re-coating.

TECHNICAL DATA

US (National Rule and Low VOC) / Canada

RTS Regulatory Data	2 : 1 : 1 RU310-313 Series Reducers		2 : 1 : 1 LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	2.7 Max.	320 Max.	0.9 Max.	105 Max.
Regulatory VOC (less water & exempt solvents)	4.4 Max.	530 Max.	2.1 Max.	250 Max.
Density	9 - 10	1080 - 1200	10 - 11	1200 - 1320
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	28 - 32	28 - 32	27 - 30	29 - 32
Total Volatile Content	68 - 72	68 - 72	70 - 73	68 - 71
Water	0	0	0	0
Exempt Compound Content	40 - 50	40 - 50	60 - 70	58 - 70
Category	Clear Coat			

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

FOR REST-OF-WORLD (outside US and Canada)

RTS REGULATORY DATA	2:1:1 (RU310, RU311, RU312 and RU313 Series Reducers)	
	LBS./GAL.	g/L
VOC	7.2 Max.	865 Max.
Density	9 -10	1080 - 1200
	WT.%	VOL.%
Total Solids Content	28 - 32	28 - 32
Total Volatile Content	68 - 72	68 - 72
Water	0	0
Coating Category	Clear Coat	

GENERAL INFORMATION

Kosmic Urethane Flo-Klear UFC35 is a medium solids Klear that has application properties similar to UC35. It features excellent flow out for better clarity and is extremely flexible. UFC35 can be mixed for use to Coast-2-Coast.

PREPARATION

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

COMPONENTS

KLEAR	CATALYST	LV SERIES REDUCER	RU SERIES REDUCER
UFC35	KU150	RU300	RU310
		RU301	RU311
			RU312
			RU313
			RU315

MIXING RATIO

For US National Rule VOC Compliance
(2:1:1 by volume)

- 2 parts UFC35 Kosmic Acrylic Urethane Flo Klear
- 1 part KU150 catalyst
- 1 part RU reducers

optional: 90 / 10 blend of RU310 - 313 with RU315

For 2.1 lbs / gal (250 g / L) VOC Compliance (Low VOC)

- 2 parts UFC35 Kosmic Acrylic Urethane Flo Klear
- 1 part KU150 catalyst
- 1 part LV reducers

optional: 75 / 25 blend max of LV Exempt Series / RU Series Reducers
(10% max replacement with RU315)

POT LIFE

Three (3) hours at 77°F (25°C)

SURFACE PREPARATION

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

GUN SETUP

Refer to spray gun manufacturer's recommendations

DRY TIME

- Air dry at 77°F for 12–24 hours before sanding
- Air dry at 77°F for 30 minutes, film should be tacky without stringing between coats.
- Force cure with a 30 minute flash, then 40 minutes at 140°F

CLEANUP

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

APPLICATION

- Spray two (2) to three (3) medium wet coats with 50% pattern overlap
- Allow to flash dull between coats

NOTE: Paint should be sticky and not stringing when touched at the wettest point before next coat is applied. Too long of a dry time between coats may cause lifting. If finish feels dry, allow 12 hours before sanding and re-coating.

TECHNICAL DATA

US (National Rule and Low VOC) / Canada

RTS Regulatory Data	2 : 1 : 1 RU310-313 Series Reducers		2 : 1 : 1 LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	2.7 Max.	320 Max.	0.9 Max.	105 Max.
Regulatory VOC (less water & exempt solvents)	4.4 Max.	530 Max.	2.1 Max.	250 Max.
Density	9 - 10	1080 - 1200	10 - 11	1200 - 1320
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	29 - 33	28 - 32	27 - 30	28 - 32
Total Volatile Content	67 - 71	68 - 72	70 - 73	68 - 72
Water	0	0	0	0
Exempt Compound Content	40 - 50	40 - 50	60 - 70	58 - 68
Category	Clear Coat			

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

FOR REST-OF-WORLD (outside US and Canada)

RTS REGULATORY DATA	2:1:1 (RU310, RU311, RU312 and RU313 Series Reducers)	
	LBS./GAL.	g/L
VOC	7.2 Max.	865 Max.
Density	9 -10	1080 - 1200
	WT.%	VOL.%
Total Solids Content	28 - 32	28 - 32
Total Volatile Content	68 - 72	68 - 72
Water	0	0
Coating Category	Clear Coat	

GENERAL INFORMATION

UC21 Universal Urethane Klearcoat is a Hi-Solids, user friendly, coast to coast voc compliant clear. Featuring Exceptional flowout, gloss retention and great buff ability in a convenient 2:1 mix ratio with three activators;Fast, Medium and Slow.UC 21 can be used over all House of Kolor products.

PREPARATION

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

COMPONENTS

KLEAR	CATALYST
UC21	UA22 - FAST
	UA23 - MEDIUM
	UA24 - SLOW

MIXING RATIO

FOR COAST-2-COAST Compliance (US National Rule / Low VOC / Canada)
(2:1 by volume)

- 2 parts UC21 Universal Acrylic Urethane Klear
- 1 part UA22 Fast, UA23 Medium or UA24 Slow

NOTE: Catalyst choice should be based on size of repair and environmental / application conditions.

POT LIFE

1-3 hours at 70°F (21°C)

GUN SET UP

Refer to spray gun manufacturer's recommendations

APPLICATION

- Spray two (2) to three (3) medium wet coats with 50% pattern overlap
- 15-20 minutes flash between coats at 77°F

NOTE: Paint should be sticky and not stringing when touched at the wettest point before next coat is applied. Too long of a dry time between coats may cause lifting. If finish feels dry, allow 12 hours before sanding and re-coating.

DRY TIME

- Air dry at 77°F for 12 - 24 hours before sanding
- Force Cure with a 30 minute flash, then 40 minutes at 140°F

CLEANUP

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

TECHNICAL DATA

US (National Rule and Low VOC) / Canada

RTS Regulatory Data	2 : 1	
	NO REDUCER REQUIRED	
	LBS/GAL	g/L
Actual VOC	1.25 Max.	150 Max.
Regulatory VOC (less water & exempt solvents)	2.1 Max.	250 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	40 - 45	40 - 45
Total Volatile Content	55 - 60	55 - 60
Water	0	0
Exempt Compound Content	40 - 45	40 - 45
Category	Clear Coat	

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

FOR REST-OF-WORLD (outside US and Canada)

RTS REGULATORY DATA	2:1	
	NO REDUCERS REQUIRED	
	LBS./GAL.	g/L
VOC	5.6 Max.	675 Max.
Density	8 - 10	960 - 1200
	WT.%	VOL.%
Total Solids Content	40 - 45	40 - 45
Total Volatile Content	55 - 60	55 - 60
Water	0	0
Coating Category	Clear Coat	

GENERAL INFORMATION

URC01 Urethane Kosmic Rokket Klear is an extremely fast-drying klear. This klear is ideal for Bike Tin, small parts, jambing, intercoat over artwork, and anything else that needs to be show-ready quickly. Rokket Klear does not require any flash time between coats: wet on wet application.

PREPARATION

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

SUBSTRATE

- All House of Kolor standard basecoats, solid graphics and artwork.
- Properly cured and prepared OEM finishes

NOTE: Please refer to individual product tech sheets for system applications

COMPONENTS

KLEAR	CATALYST	RU SERIES REDUCER
URC01	KU152	RU310
		RU311
		RU312
		RU313

MIXING RATIO

For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC) - (4:1:0-5% by volume)

- 4 parts URC01 Urethane Kosmic Rokket Klear
- 1 part KU152 Catalyst

Optional: 0–5% RU310 - 313 Series Reducers

DRY TIME

- 10 minutes – dust free
- 30 minutes – nib sand & buff
- 60 minutes – wet sand, buff & deliver

NOTES:

- Dry times may vary due to temp, humidity, airflow, and film thickness.

FLASH TIME

- Small or curved parts/objects with multiple inverted angles, RECOMMEND 1–2 minutes flash between coats. DO NOT EXCEED more than 5 minutes. Longer flash times between coats will cause dulling or flat appearance.

CLEANUP

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

POT LIFE

1 hour at 77°F (25°C).

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	4 : 1 : 0 - 5 %	
	RU310-313 Series Reducers	
	LBS/GAL	g/L
Actual VOC	1.2 Max.	138 Max.
Regulatory VOC (less water & exempt solvents)	2.1 Max.	250 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	28 - 40	28 - 39
Total Volatile Content	60 - 72	61 - 72
Water	0	0
Exempt Compound Content	45 - 65	45 - 65
Category	Clear Coat	

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

FOR REST-OF-WORLD

RTS Regulatory Data	4 : 1 : 0 - 5 %	
	RU310-313 Series Reducers	
	LBS/GAL	g/L
VOC	7.2 Max.	865 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	28 - 40	28 - 39
Total Volatile Content	60 - 72	61 - 72
Water	0	0
Category	Clear Coat	

NOTE: Rest-of-World considered areas outside US/Canadian.

TIPS AND TRICKS

- This product is **NOT** designed for clearing a complete vehicle. URC01 has been developed for use on small surfaces only.
- Allow previous paint stages fully flash before applying the URC01.
- URC01 is not recomended while painting MC Kosmic Krome, or Urethane Kandy.

GENERAL INFORMATION

FC21 Flat Clear coat with an easy 6:1 mix ratio. FC21 is designed to produce a 5˚–15˚ gloss level.

SUBSTRATE

- All House of Kolor standard basecoats, solid graphics and artwork.
- Properly cured and prepared OEM finishes.

NOTE: Please refer to individual product tech sheets for system applications.

COMPONENTS

KLEAR	CATALYST
FC21	KUF21

MIXING RATIO

For 2.1 lb/gal (250 g/L) Low VOC Compliance – (6:1 by Volume)

- 6 parts FC21 Flat Klear
- 1 part KUF21 Flat Klear Katalyst

DRY TIME

- 30 minutes – dust free

NOTES:

- Dry times may vary due to temp, humidity, airflow, and film thickness.

FLASH TIME

- Flash a minimum of 15 minutes at 70 degrees between additional coats.
- Small or curved parts/objects with multiple inverted angles, RECOMMEND 1–2 minutes flash between coats.

CLEANUP

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

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	6 : 1	
	No Reducer	
	LBS/GAL	g/L
Actual VOC	0.95 Max.	113 Max
Regulatory VOC (less water & exempt solvents)	2.1 Max.	250 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	32 – 35	29 – 32
Total Volatile Content	65 – 68	68 – 71
Water	0	0
Exempt Compound Content	55 – 60	55 – 60
Coating Category	Clearcoat	

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

TECHNICAL DATA (continued)

FOR REST-OF-WORLD

RTS Regulatory Data	6 : 1	
	No Reducer	
	LBS/GAL	g/L
VOC	6.6 Max.	800 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	32 – 35	29 – 32
Total Volatile Content	65 – 68	68 – 71
Water	0	0
Coating Category	Clearcoat	

NOTE: Rest-Of-World considered areas outside US /Canada.

GENERAL INFORMATION

C2C-SG100 Intercoat is designed to be applied over a basecoat, prior to taped art work. This allows for easy removal of mis-tapes or other errors without damage to basecoat. The intercoats are also applied over art work to preserve blending and fogging of various colors before applying kandy or klear topcoats. The Intercoat shouldn't ever be used as a topcoat klear.

SUBSTRATE

- All House of Kolor standard basecoats, Solid Graphics and artwork.
- Properly cured top coat klears and OEM finishes (artwork only)

COMPONENTS

INTERCOAT	OPTIONAL ADDITIVES	LV SERIES REDUCER	RU SERIES REDUCER
C2C-SG100	Dry Pearl	RU300	RU310
	Flake	RU301	RU311
	Kandy Koncentrate		RU312
			RU313
			RU315

MIXING RATIO

For 5.7 lb/gal (680 g/L) VOC Compliance (US National Rule)
- 2 parts C2C-SG100 Intercoat
- 1 part RU310, 311, 312, 313 RU Series Reducers

Optional: 90/10 blend of RU310-313 with RU315

KK / Pearl / Flake Mixing
- 2-4 ozs max. KK per sprayable quart
- See appropriate Pearl / Flake TDS for amounts per sprayable quart.

For 3.5 lb/gal (420 g/L) VOC Compliance (Low VOC)
- 2 parts C2C-SG100 Intercoat
- 1 part LV Exempt Series Reducers (RU300 or RU301)

KK / Pearl / Flake
- 2-4 ozs max. KK per sprayable quart
- See appropriate Pearl / Flake TDS for amounts per sprayable quart.

DRY TIME

- Air dry at 77°F for 30 min (up to 4 hours) before topcoating.

NOTE: After 4 hours, wet sand with 500 and re-spray. Never sand Pearls or flakes without clear coat.

CLEANUP

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

APPLICATION

Apply 1 to 2 medium coats of C2C-SG100 Intercoat with a 50% pattern overlap. Allow each coat to flash dull (Typically 5 to 15 minutes) between coats. Additional coats may be applied if build is required to fill tape-out lines. We suggest you allow the Intercoat to flash 30-60 minutes before doing tape outs, etc over the Intercoat product.

PEARLS & FLAKES

When using C2C-SG100, mix 2 : 1 with RU series reducer then refer to appropriate pearl or flake data sheet for amounts to add. Pearls and Flakes must have room to sparkle. Overcrowding reduces their effect and increases the chance of mottling and streaking.

KANDY

For MAXIMUM DURABILITY use S2-00 Trans Nebulae or Shimrin2 UKK01 Kandy Karrier with KK Kandy Koncentrates. Intercoats may be used to make low solid Kandys by mixing with any of our Kandy Koncentrates (KK). **Do not store C2C-SG100 and KK blends for more than 24 hours. Seeding will occur if mixture sits longer than 12 hrs.** The Intercoats are excellent when multiple tape outs are required under urethane topcoats. Perfect for small parts or graphics when speed is a factor. Reduce C2C-SG100 2 : 1 with RU310-313 Standard Series Reducers (RU300 or RU301 in Low VOC Areas), then add 2-4 ozs of KK per sprayable quart. See KK tech sheet for more information on using Kandy Koncentrates.

TOUCH UP & BLENDING

Intercoats may be used to blend House of Kolor Pearl and Metallic Basecoats. Metallics will not darken as they normally would at the blend.
- Make sure not to over wet the edge of the blending area.
- Apply light even coats and do not over saturate the surface to avoid issues.

After applying the final "coverage" coat, begin to step out the blend. Take your final basecoat mix and combine 1:1 with C2C-SG100 (blend mix), and apply light coats over the tapered edge until the edge "melts". If additional edge "melt" is required, step out blend once more by reducing the "edge mix" 1:1 with reducer (RU300 or 301 in Low VOC areas), and apply light coats until the edge "melts". View with bright light, if satisfired then topcoat with clear after proper dry time.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	2 : 1		2 : 1	
	RU310-313 Series Reducers		LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.3 Max.	395 Max.	1.05 Max.	126 Max.
Regulatory VOC (less water & exempt solvents)	5.7 Max.	680 Max.	3.5 Max.	420 Max.
Density	8 - 9	960 - 1080	9 - 10	1080 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	15 – 20	13 - 17	13 - 17	13 - 17
Total Volatile Content	80 - 85	83 - 87	83 - 87	83 - 87
Water	0	0	0	0
Exempt Compound Content	50 – 55	45 - 50	80 – 85	80 – 85
Category	Topcoat more than two stages / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional adds mentioned above.

FOR REST-OF-WORLD

RTS Regulatory Data	2 : 1	
	RU310 - 313 Series Reducers	
	LBS/GAL	g/L
VOC	7.2 Max.	865 Max.
Density	8 - 10	960 – 1200
	Weight %	Volume %
Total Solid Content	16 – 21	14 – 19
Total Volatile Content	79 – 84	81 – 86
Water	0	0
Category	Topcoat more than two stages / Color Coating	

Note: Rest-of-World considered areas outside US and Canada.

Optional Touch Up & Blend Mix (REST-OF-WORLD)

RTS Regulatory Data	(1 : 1) : 1 (RTS Basecoat Mix : C2C-SG100) : Reducer	
	RU310 - 313 Series Reducers	
	LBS/GAL	g/L
VOC	8.0 Max.	960 Max.
Density	8 - 10	960 – 1200
	Weight %	Volume %
Total Solid Content	8 – 15	7 – 12
Total Volatile Content	85 – 92	88 – 93
Water	0	0
Category	Topcoat more than two stages / Color Coating	

Note: ROW considered areas outside US and Canada.

Optional Touch Up & Blend Mix (National Rule & Low VOC) / Canada

RTS Regulatory Data	(1 : 1) : 1 (RTS Basecoat Mix : C2C-SG100) : Reducer			
	RU310-313 Series Reducers		RU300-301 LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	4.8 Max.	580 Max.	0.5 Max.	65 Max.
Regulatory VOC (less water & exempt solvents)	7.0 Max.	840 Max.	3.5 Max.	420 Max.
Density	8 - 10	960 - 1200	8 - 10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	8 - 15	7 – 12	7 – 14	7 – 14
Total Volatile Content	85 – 92	88 – 93	86 – 93	86 – 93
Water	0	0	0	0
Exempt Compound Content	30 – 35	28 – 33	85 – 90	85 – 90
Category	Specialty Coating / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.

T&T TIPS AND TRICKS

- Do not use C2C-SG100 as a final klear.
- This product is not designed for hi-build application.
- The different between S2-00 Trans Nebulae and C2C-SG100 intercoat is that S2-00 has an encapsolation polymer to hold the flake and pearls in suspension.
- Do not exceed more than 4 coats when using C2C-SG100. However if using a 1 to 1 reduction number of coats can increase.

GENERAL INFORMATION

C2C-SG150 Intercoat Pearl & Flake Karrier is designed specifically to be used as the carrier for Pearls, Flakes, as well as other dry products offered in the House of Kolor product line. This product encapsulates the pearls and flake particles, so when sprayed it self orientates, locking them in place, greatly reducing blotching and streaking of the finish. Although the material looks semi-opaque in the can, it dries to a clear finish.

SUBSTRATE

- All House of Kolor standard basecoats, Solid Graphics and artwork.
- Properly cured top coat klears and OEM finishes (artwork only)

COMPONENTS

INTERCOAT KLEAR	OPTIONAL ADDITIVES	LV SERIES REDUCER	RU SERIES REDUCER
C2C-SG150	Dry Pearl	RU300	RU310
	Flake	RU301	RU311
			RU312
			RU313
			RU315

MIXING RATIO

For 5.9 lb/gal (710 g/L) VOC Compliance (US National Rule)

- 2 part C2C-SG150 Intercoat Pearl & Flake Karrier
- 1 part RU Reducer (310 - 313)

Optional: 90 / 10 blend of RU310-313 with RU315

For 3.5 lb/gal (420 g/L) VOC Compliance (Low VOC)

- 2 part C2C-SG150 Intercoat Pearl & Flake Karrier
- 1 part LV Exempt Series Reducers (RU300-301)

NOTES:

- Stir C2C-SG150 prior to use, as a separation of ingredients will occur.
- DO NOT ADD CATALYST
- For large flakes use a slower reducer to improve leveling of flakes.
- Refer to pearl / flake TDS for recommended loading.

DRY TIME

- Air dry at 77°F for 60 min (up to 4 hours) before topcoating.

NOTE: If you anticipate the C2C-SG150 to sit 4 hours or longer, apply 1 to 2 coats of C2C-SG100.

CLEANUP

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

APPLICATION

Apply 1 to 2 coats of C2C-SG150 Intercoat Pearl & Flake Karrier with 75% spray pattern overlap. Gun distance while spraying should be approximately 4 to 6 inches. Do not tape or scuff directly over the C2C-SG150. Doing so could possibly discolor the pearl or flake. Allow 15 to 60 minutes flash time between coats. If you intend to do tape outs or allow the C2C-SG150 to sit more than 4 hours before applying clear or candy, apply 1 or 2 coats of C2C-SG100 Intercoat Clear to protect the pearl and flake.

NOTES:

- This product isn't designed for hi-build application.

TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	2 : 1 RU310-313 Series Reducers		2 : 1 LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	2.7 Max.	320 Max.	0.38 Max.	45 Max.
Regulatory VOC (less water & exempt solvents)	5.9 Max.	710 Max.	3.5 Max.	420 Max.
Density	8 - 9	960 - 1080	9 - 10	1080 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	8 – 12	8 – 12	8 – 12	8 – 12
Total Volatile Content	88 – 92	88 – 92	88 – 92	88 – 92
Water	0	0	0	0
Exempt Compound Content	60 - 65	55 - 60	90 - 95	90 - 95
Category	Topcoat more than Two Stages / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional adds mentioned above.

FOR REST-OF-WORLD

RTS Regulatory Data	2 : 1 RU310 - 313 Series Reducers	
	LBS/GAL	g/L
VOC	8.0 Max.	960 Max.
Density	8 - 9	960 – 1080
	Weight %	Volume %
Total Solid Content	8 – 12	8 – 12
Total Volatile Content	88 – 92	88 – 92
Water	0	0
Category	Topcoat more than Two Stages / Color Coating	

Note: Rest-of-World considered areas outside US and Canada.

PERSONAL NOTES / TIPS & TRICKS

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