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For more information and videos visit [HouseofKolor.com](http://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 alkyl 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.

APPLICATION TECHNIQUES – SPRAY PATTERN OVERLAP

The following infographics depict 50% and 75% overlap spray pattern overlap. Use recommended 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.

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.
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

<table>
<thead>
<tr>
<th>Substrate</th>
<th>CAMI Grade</th>
<th>FEPA Grade (P Grit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bare Metal / Old Finish</td>
<td>Minimum 80 Grit Dry</td>
<td>Minimum 80P Grit Dry</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substrate</th>
<th>CAMI Grade</th>
<th>FEPA Grade (P Grit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bare Metal / Old Finish</td>
<td>Minimum 80 Grit Dry</td>
<td>Minimum 80P Grit Dry</td>
</tr>
<tr>
<td>High Build KD3000 Series (removing nips)</td>
<td>500 Grit Wet / Dry</td>
<td>600P Grit Wet / Dry</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substrate</th>
<th>CAMI Grade</th>
<th>FEPA Grade (P Grit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bare Metal</td>
<td>280 Grit Dry</td>
<td>320P Grit Dry</td>
</tr>
<tr>
<td></td>
<td>500 Grit Wet</td>
<td>800P Grit Wet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substrate</th>
<th>CAMI Grade</th>
<th>FEPA Grade (P Grit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHIMRIN2 Base Coats</td>
<td>280 Grit Dry</td>
<td>320P Grit Dry</td>
</tr>
<tr>
<td></td>
<td>500 Grit Wet</td>
<td>800P Grit Wet</td>
</tr>
</tbody>
</table>

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.
## BASECOAT FORMULA EXAMPLE: HOK0523-00

### SHIMRIN2 KARRIER BASES

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-00</td>
<td>TRANS NEBULAE</td>
</tr>
<tr>
<td>S2-01</td>
<td>SOLAR GOLD</td>
</tr>
<tr>
<td>S2-02</td>
<td>CELESTIAL WHITE</td>
</tr>
<tr>
<td>S2-03</td>
<td>GALAXY GRAY</td>
</tr>
<tr>
<td>S2-04</td>
<td>STRATO BLUE</td>
</tr>
<tr>
<td>S2-05</td>
<td>LAPPIS BLUE</td>
</tr>
<tr>
<td>S2-06</td>
<td>METEOR MAROON</td>
</tr>
<tr>
<td>S2-07</td>
<td>GAMMA GOLD</td>
</tr>
<tr>
<td>S2-08</td>
<td>ECLIPSE ORANGE</td>
</tr>
<tr>
<td>S2-09</td>
<td>PLANET GREEN</td>
</tr>
</tbody>
</table>

### FK EFFECT PACS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-R01</td>
<td>METALUME SUPER FINE</td>
</tr>
<tr>
<td>S2-R02</td>
<td>METALUME FIERY</td>
</tr>
<tr>
<td>S2-R03</td>
<td>METALUME MEDIUM</td>
</tr>
<tr>
<td>S2-R04</td>
<td>METALUME COURSE</td>
</tr>
<tr>
<td>S2-R05</td>
<td>METALUME SUPER PEARL</td>
</tr>
<tr>
<td>S2-R06</td>
<td>METALUME COPPER</td>
</tr>
<tr>
<td>S2-R21</td>
<td>KOSAMENE BRASS PEARL</td>
</tr>
<tr>
<td>S2-R22</td>
<td>KOSAMENE STERLING PEARL</td>
</tr>
<tr>
<td>S2-R23</td>
<td>KOSAMENE RUSSIAN PEARL</td>
</tr>
<tr>
<td>S2-R24</td>
<td>KOSAMENE COPPER PEARL</td>
</tr>
<tr>
<td>S2-R25</td>
<td>KOSAMENE BRONZE PEARL</td>
</tr>
<tr>
<td>S2-R26</td>
<td>KOSAMENE GOLD PEARL</td>
</tr>
<tr>
<td>S2-R30</td>
<td>KOSAMETIC STYLING PEARL EMERALD ORANGE</td>
</tr>
<tr>
<td>S2-R31</td>
<td>KOSAMETIC STYLING PEARL STRINGOLD</td>
</tr>
<tr>
<td>S2-R32</td>
<td>KOSAMETIC STYLING PEARL RED</td>
</tr>
<tr>
<td>S2-R33</td>
<td>KOSAMETIC STYLING PEARL PURPLE</td>
</tr>
<tr>
<td>S2-R34</td>
<td>KOSAMETIC STYLING PEARL BLUE</td>
</tr>
<tr>
<td>S2-R35</td>
<td>KOSAMETIC STYLING PEARL GREEN</td>
</tr>
<tr>
<td>S2-R36</td>
<td>KOSAMETIC STYLING PEARL TURQUOISE</td>
</tr>
</tbody>
</table>

### KD3000 SERIES SURFACER / SEALER

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>KD3000</td>
<td>GRAY</td>
<td>KD3003</td>
<td>YELLOW</td>
</tr>
<tr>
<td>KD3001</td>
<td>BLACK</td>
<td>KD3004</td>
<td>RED</td>
</tr>
<tr>
<td>KD3002</td>
<td>WHITE</td>
<td>KD3005</td>
<td>BLUE</td>
</tr>
</tbody>
</table>

### KD3000 SERIES MIXING INSTRUCTIONS

**HIGH BUILD SURFACER / SEALER MIXING RATIO**

- 4 PARTS / KD3000 SERIES
- 1 PART / KDA3000

**MEDIUM BUILD SURFACER / HIGH BUILD SEALER MIXING RATIO**

- 4 PARTS / KD3000 SERIES
- 1 PART / KDA3000

**SEALER MIXING RATIO**

- 2 PARTS RU REDUCER

### BASIC PAINTING STEPS

**1 PREP**

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

KANDY BASECOAT FORMULA EXAMPLE: **HOK001523-01**

**HOK00**

**SHIMRIN2 KARRIER BASES**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-00</td>
<td>TRANS NEBULAE</td>
</tr>
</tbody>
</table>

**KANDY KONCENTRATE**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>KK01</td>
<td>BRANDYWINE</td>
</tr>
<tr>
<td>KK02</td>
<td>LIME GOLD</td>
</tr>
<tr>
<td>KK03</td>
<td>WILD CHERRY</td>
</tr>
<tr>
<td>KK04</td>
<td>ORIENTAL BLUE</td>
</tr>
<tr>
<td>KK05</td>
<td>CORAL BLUE</td>
</tr>
<tr>
<td>KK06</td>
<td>BURGUNDY</td>
</tr>
<tr>
<td>KK07</td>
<td>ROOT BEER</td>
</tr>
<tr>
<td>KK08</td>
<td>TANGERINE</td>
</tr>
<tr>
<td>KK09</td>
<td>ORGANIC GREEN</td>
</tr>
</tbody>
</table>

**KANDY BASECOAT MIXING INSTRUCTIONS**

- **8 PARTS** TRANS NEBULAE
- **1 PART** KANDY KONCENTRATE
- **1/2 PART** S2-FX EFFECT PAC

**REDUCE KANDY BASECOAT MIXTURE 2:1**

**KLEAR**

**SEALER MIXING INSTRUCTIONS**

- **4 PARTS** / KD3000 SERIES
- **1 PART** / KDA3000

**KOLOR MIXING INSTRUCTIONS**

- **4 PARTS** / KD3000 SERIES
- **1 PART** / KDA3000

**KLEAR DECIDER**

- **TOPCOAT UV KLEAR**: USC01 Urethane Show Klear is a medium solids klear offering 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.

**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.

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

**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.
## Kustom Foundation Surfacer & Sealers

**KD3000 Series – Kustom Foundation Surfacer Sealers**

<table>
<thead>
<tr>
<th>Application</th>
<th>Mix Ratio</th>
<th>Primer</th>
<th>Catalyst</th>
<th>Reducer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High Build</strong></td>
<td>4 : 1</td>
<td>4 Parts KD3000</td>
<td>1 Part KDA3000</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Medium Build / High Build Sealer</strong></td>
<td>4 : 1 : 1</td>
<td>4 Parts KD3000</td>
<td>1 Part KDA3000</td>
<td>1 Part RU Reducer</td>
</tr>
<tr>
<td><strong>Sealer</strong></td>
<td>4 : 1 : 2</td>
<td>4 Parts KD3000</td>
<td>1 Part KDA3000</td>
<td>2 Parts RU Reducer</td>
</tr>
</tbody>
</table>

**Note:** KD3000 Series when used as a High Build is not a substitute for sprayable polyesters. Use as directed.

### Silver Sealer (SS01)

<table>
<thead>
<tr>
<th>Product</th>
<th>Mix Ratio</th>
<th>Primer</th>
<th>Catalyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver Sealer (SS01)</td>
<td>6 : 1</td>
<td>6 Parts SS01</td>
<td>1 Part KU152</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Application</th>
<th>Mix Ratio</th>
<th>Base</th>
<th>Effect</th>
<th>Reducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Basecoat</td>
<td>3 : 1 : 2</td>
<td>3 parts Karriner Base</td>
<td>1 part S2-FX Effect Pack</td>
<td>2 Parts RU Reducer</td>
</tr>
</tbody>
</table>

**3/4 Fill - FX Karriner 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

<table>
<thead>
<tr>
<th>Product</th>
<th>Mix Ratio</th>
<th>Base and Effect</th>
<th>Reducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-25 Jet Black</td>
<td>2 : 1</td>
<td>2 Part S2-25 Jet Black</td>
<td>1 Part RU Reducer</td>
</tr>
<tr>
<td>S2-26 Bright White</td>
<td>2 : 1</td>
<td>2 Part S2-26 Bright White</td>
<td>1 Part RU Reducer</td>
</tr>
<tr>
<td>S2-BC02 Orion Silver Max</td>
<td>2 : 1</td>
<td>2 Part S2-BC02 Orion Silver Max</td>
<td>1 Part RU Reducer</td>
</tr>
</tbody>
</table>

**Note:** For best results spray Orion Silver Max medium wet (75% overlap) with slower reducer.

## Shimrin2 S2-00 Trans Nebulæ Mixing Ratios for Effect-Only Basecoats

<table>
<thead>
<tr>
<th>Effect Packs</th>
<th>Parts by Volume</th>
<th>Parts by Volume</th>
<th>Base</th>
<th>Reducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-FX01-05</td>
<td>3</td>
<td>1</td>
<td>S2-25 Jet Black</td>
<td>50% RU Reducer</td>
</tr>
<tr>
<td>S2-FX21-26</td>
<td>96</td>
<td>1</td>
<td>4</td>
<td>1/4</td>
</tr>
<tr>
<td>S2-FX31-39</td>
<td>48</td>
<td>1</td>
<td>2</td>
<td>1/4</td>
</tr>
<tr>
<td>S2-FX41-47</td>
<td>24</td>
<td>1</td>
<td>2</td>
<td>1/2</td>
</tr>
<tr>
<td>S2-FX51-56</td>
<td>48</td>
<td>1</td>
<td>2</td>
<td>1/4</td>
</tr>
<tr>
<td>S2-FX61-67</td>
<td>48</td>
<td>1</td>
<td>2</td>
<td>1/4</td>
</tr>
</tbody>
</table>

**Note:** If applied over a light-kolored base, double the amount of effect.
### STANDARD KANDY BASECOAT – KBC

<table>
<thead>
<tr>
<th>MIX RATIO</th>
<th>KARRIER BASECOAT</th>
<th>KK</th>
<th>EFFECT</th>
<th>REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>(8 : 1 : 1/2) 50%</td>
<td>8 PARTS S2-00</td>
<td>1 PART KK KONCENTRATE</td>
<td>UP TO 1/2 PART FX</td>
<td>REDUCE (S2-00 / KK / FX) 2:1</td>
</tr>
</tbody>
</table>

NOTE: VARIANCE RATIO ALSO AVAILABLE ONLINE FOR MAXIMUM DEPTH.

### URTHANE KANDY

#### UKK01 URETHANE KANDY KARRIER

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>MIX RATIO</th>
<th>KANDY KARRIER</th>
<th>CATALYST</th>
<th>REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOW SOLID</td>
<td>4 : 1 : 2</td>
<td>4 PARTS UKK01</td>
<td>1 PARTS KU152</td>
<td>2 PART RU REDUCER</td>
</tr>
<tr>
<td>MEDIUM SOLID</td>
<td>4 : 1 : 1</td>
<td>4 PARTS UKK01</td>
<td>1 PARTS KU152</td>
<td>1 PART RU REDUCER</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>MIX RATIO</th>
<th>KANDY KARRIER</th>
<th>CATALYST</th>
<th>REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>USC01</td>
<td>3 : 1 : 1</td>
<td>3 PARTS USC01</td>
<td>1 PARTS KU152</td>
<td>1 PARTS RU SERIES</td>
</tr>
</tbody>
</table>

NOTE: REFER TO TDS FOR PROPER FLASH TIME.

### URETHANE KOSMIC KICKER

<table>
<thead>
<tr>
<th>MIXED URETHANE</th>
<th>8 oz.</th>
<th>16 oz.</th>
<th>32 oz.</th>
<th>64 oz.</th>
<th>96 oz.</th>
<th>128 oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX02</td>
<td>0.4 oz.</td>
<td>0.8 oz.</td>
<td>1.6 oz.</td>
<td>3.2 oz.</td>
<td>4.8 oz.</td>
<td>6.4 oz.</td>
</tr>
</tbody>
</table>

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.

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### 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 cocktail mixing to prevent any issues.

REDUCERS

The following charts are for spray booth application only.

<table>
<thead>
<tr>
<th>LV Exempt Series Reducers</th>
<th>Standard Series Reducers</th>
<th>Retarder</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU300 70–85°F</td>
<td>RU310 65–75°F</td>
<td>RU315 95–100+°F</td>
</tr>
<tr>
<td>RU301 85–100+°F</td>
<td>RU311 75–85 °F</td>
<td>RU312 85–95 °F</td>
</tr>
<tr>
<td>RU310 65–75 °F</td>
<td>RU311 75–85 °F</td>
<td>RU313 95–100+°F</td>
</tr>
<tr>
<td>RU311 75–85 °F</td>
<td>RU312 85–95 °F</td>
<td>RU313 95–100+°F</td>
</tr>
<tr>
<td>RU312 85–95 °F</td>
<td>RU313 95–100+°F</td>
<td>RU315 95–100+°F</td>
</tr>
<tr>
<td>RU313 95–100+°F</td>
<td>RU314 95–100+°F</td>
<td></td>
</tr>
</tbody>
</table>

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 varied 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.

<table>
<thead>
<tr>
<th>National Rule Only Catalyst</th>
<th>Low VOC Compliant Catalysts</th>
</tr>
</thead>
<tbody>
<tr>
<td>KU100</td>
<td>KU150</td>
</tr>
<tr>
<td></td>
<td>KU152</td>
</tr>
<tr>
<td></td>
<td>KUF21</td>
</tr>
<tr>
<td></td>
<td>UA22</td>
</tr>
<tr>
<td></td>
<td>UA23</td>
</tr>
<tr>
<td></td>
<td>UA24</td>
</tr>
</tbody>
</table>

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 recommended.
- 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.
**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)**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>KC10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ready-For-Use</td>
<td></td>
</tr>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.5 Max.</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; exempt solvents)</td>
<td>6.43 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>6 - 8</td>
</tr>
<tr>
<td>Weight %</td>
<td></td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>0</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>100</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Surface Cleaner</td>
</tr>
</tbody>
</table>

**FOR REST-OF-WORLD**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>KC10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ready-For-Use</td>
<td></td>
</tr>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>VOC</td>
<td>6.5 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>6 - 8</td>
</tr>
<tr>
<td>Weight %</td>
<td></td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>0</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>100</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Surface Cleaner</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>KC20</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>Actual VOC</td>
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<tr>
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<tr>
<td>Total Solid Content</td>
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<tr>
<td>Total Volatile Content</td>
<td>100</td>
</tr>
<tr>
<td>Water</td>
<td>95-99</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Surface Cleaner</td>
</tr>
</tbody>
</table>

**FOR REST-OF-WORLD**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>KC20</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>VOC</td>
<td>8.0 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>6-8</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>0</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>100</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Surface Cleaner</td>
</tr>
</tbody>
</table>

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

**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**

<table>
<thead>
<tr>
<th>UKK01 &amp; USC01</th>
<th>KOSMIC KICKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 oz.</td>
<td>0.4 oz.</td>
</tr>
<tr>
<td>16 oz.</td>
<td>0.8 oz.</td>
</tr>
<tr>
<td>32 oz.</td>
<td>1.6 oz.</td>
</tr>
<tr>
<td>64 oz</td>
<td>3.2 oz.</td>
</tr>
<tr>
<td>96 oz</td>
<td>4.8 oz.</td>
</tr>
<tr>
<td>128 oz.</td>
<td>6.4 oz.</td>
</tr>
</tbody>
</table>

**COMPONENTS**

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

**TIPS AND TRICKS**

- Mix and measure carefully as pot life will be reduced.
- Recommended 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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>AP01 Ready-For-Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>VOC</td>
<td>8.0 Max</td>
</tr>
<tr>
<td>Density</td>
<td>7-9</td>
</tr>
<tr>
<td>Weight %</td>
<td>840-1080</td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>3-6</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>94-97</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>85-95</td>
</tr>
<tr>
<td>Category</td>
<td>Specialty Coating / Adhesion Promoter</td>
</tr>
</tbody>
</table>

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

FOR REST-OF-WORLD

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>AP01 Ready-For-Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>VOC</td>
<td>8.0 Max</td>
</tr>
<tr>
<td>Density</td>
<td>7-9</td>
</tr>
<tr>
<td>Weight %</td>
<td>840-1080</td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>3-6</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>94-97</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>85-95</td>
</tr>
<tr>
<td>Category</td>
<td>Specialty Coating / Adhesion Promoter</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>SPRAYABLE POLYESTER PRIMER</th>
<th>HARDENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP1600</td>
<td>MEKP</td>
</tr>
</tbody>
</table>

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 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

<table>
<thead>
<tr>
<th>AIR DRY @ 77°F (25°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Time</td>
</tr>
<tr>
<td>To Sand</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FORCE DRY @ 130 - 140°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Time</td>
</tr>
<tr>
<td>To Sand</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>RTS REGULATORY DATA</th>
<th>1 Quart : 0.5 ozs</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Reducer</td>
<td></td>
</tr>
<tr>
<td>LBS./GAL.</td>
<td></td>
</tr>
<tr>
<td>g/L</td>
<td></td>
</tr>
<tr>
<td>Actual VOC</td>
<td>2.0 Max.</td>
</tr>
<tr>
<td>Regulatory VOC</td>
<td>2.1 Max.</td>
</tr>
<tr>
<td>(less water and exempt solvents)</td>
<td>250 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>13-15</td>
</tr>
<tr>
<td>Total Solids Content</td>
<td>82-85</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>15-18</td>
</tr>
<tr>
<td>Water</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>3-7</td>
</tr>
</tbody>
</table>

Coating Category: Primer

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

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

<table>
<thead>
<tr>
<th>RTS REGULATORY DATA</th>
<th>1 Quart : 0.5 ozs</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Reducer</td>
<td></td>
</tr>
<tr>
<td>LBS./GAL.</td>
<td></td>
</tr>
<tr>
<td>g/L</td>
<td></td>
</tr>
<tr>
<td>Actual VOC</td>
<td>2.0 Max.</td>
</tr>
<tr>
<td>Regulatory VOC</td>
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</tr>
<tr>
<td>(less water and exempt solvents)</td>
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</tr>
<tr>
<td>Density</td>
<td>13-15</td>
</tr>
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<td>Total Solids Content</td>
<td>82-85</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>15-18</td>
</tr>
<tr>
<td>Water</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>3-7</td>
</tr>
</tbody>
</table>

Coating Category: Primer

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

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**

<table>
<thead>
<tr>
<th>Kwikure Epoxy Primer</th>
<th>Activator</th>
<th>RU Series Reducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>KP2CFA</td>
<td>KP2CFB</td>
<td>RU310</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RU311</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RU312</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RU313</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th></th>
<th>Air Dry @ 77°F (25°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Time</td>
<td>5-10 Minutes or until finish is dull</td>
</tr>
<tr>
<td>To Sand</td>
<td>12-24 Hours</td>
</tr>
<tr>
<td>To Topcoat</td>
<td>12-24 Hours</td>
</tr>
</tbody>
</table>

**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)

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>1:1:0-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>4.8 Max.</td>
</tr>
<tr>
<td>Regulatory VOC</td>
<td>4.8 Max.</td>
</tr>
<tr>
<td>(less water &amp; exempt solvents)</td>
<td>Density</td>
</tr>
<tr>
<td>Total Solids Content</td>
<td>55-58</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>42-45</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

Category: Primer Surfacer

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

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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>1:1:0-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>VOC</td>
<td>4.8 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>10-11</td>
</tr>
<tr>
<td>Weight %</td>
<td>Volume %</td>
</tr>
<tr>
<td>Total Solids Content</td>
<td>55-58</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>42-45</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
</tbody>
</table>

Category: Primer Surfacer

NOTE: ROW considered areas outside US/Canada.

**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 recommended.
- 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

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>KD SERIES PRIMER SURFACER / SEALER</th>
<th>HARDENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>KD3000 GRAY</td>
<td>KD3001 BLACK</td>
<td>KD3002 WHITE</td>
</tr>
<tr>
<td>KD3003 YELLOW</td>
<td>KD3004 RED</td>
<td>KD3005 BLUE</td>
</tr>
<tr>
<td>KD3000 DTS Hardener</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 Surfer
• 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 Surfer / 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 Surfer / 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 Surfer
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.
**DRTY 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.

**TECHNICAL DATA**

**FOR USA (National Rule & Low VOC) / Canada**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>4 : 1</th>
<th>4 : 1 : 1</th>
<th>4 : 1 : 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Reduction</td>
<td>LBS/GAL</td>
<td>g/L</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>1.3 Max.</td>
<td>158 Max.</td>
<td>3.2 Max.</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; exempt solvents)</td>
<td>2.1 Max.</td>
<td>250 Max.</td>
<td>4.6 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>11-13</td>
<td>1320-1560</td>
<td>11-13</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>39-43</td>
<td>54-58</td>
<td>46-50</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>30-34</td>
<td>37-41</td>
<td>27-31</td>
</tr>
</tbody>
</table>

**NOTES:**
- US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.

**FOR REST-OF-WORLD**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>4 : 1</th>
<th>4 : 1 : 1</th>
<th>4 : 1 : 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Reduction</td>
<td>LBS/GAL</td>
<td>g/L</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>VOC</td>
<td>5.6 Max.</td>
<td>675 Max.</td>
<td>6.5 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>11-13</td>
<td>1320-1560</td>
<td>11-13</td>
</tr>
<tr>
<td>Total Solids Content</td>
<td>57-61</td>
<td>42-46</td>
<td>50-54</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>39-43</td>
<td>54-58</td>
<td>46-50</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**NOTE:** ROW considered areas outside US/Canada.

**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.

**SUGGESTED PRIMER**
**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**

<table>
<thead>
<tr>
<th>SILVER SEALER</th>
<th>HARDENER</th>
<th>KANDY KONCENTRATES (OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS01</td>
<td>KU152</td>
<td>KK01 - KK22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LV SERIES REDUCER (OPTIONAL)</th>
<th>RU SERIES REDUCER(OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU300</td>
<td>RU310</td>
</tr>
<tr>
<td>RU301</td>
<td>RU311</td>
</tr>
<tr>
<td>RU312</td>
<td>RU313</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>6 : 1</th>
<th>6 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
<td>LV Exempt Series Reducers</td>
<td></td>
</tr>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>Actual VOC</td>
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<td>297 Max.</td>
</tr>
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<td>550 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>9 - 11</td>
<td>1080 - 1320</td>
</tr>
<tr>
<td>Weight %</td>
<td>Volume %</td>
<td>Weight %</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>32 - 36</td>
<td>30 - 34</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>64 - 68</td>
<td>66 - 70</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>48 - 52</td>
<td>46 - 50</td>
</tr>
<tr>
<td>Category</td>
<td>Primer Sealer</td>
<td>Primer Sealer</td>
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**FOR REST-OF-WORLD**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>6 : 1</th>
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</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
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<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>VOC</td>
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<tr>
<td>Density</td>
<td>9 - 11</td>
</tr>
<tr>
<td>Weight %</td>
<td>Volume %</td>
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<tr>
<td>Total Solid Content</td>
<td>32 - 36</td>
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<tr>
<td>Total Volatile Content</td>
<td>64 - 68</td>
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<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Primer Sealer</td>
</tr>
</tbody>
</table>

**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.
SHIMRIN2 SOLID BASECOATS

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

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 USA (National Rule & Low VOC) / Canada

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>RU310-313 Series Reducers</th>
<th>LV Exempt Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>Actual VOC</td>
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<td>420 Max.</td>
</tr>
<tr>
<td>Regulatory VOC</td>
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<td>700 Max.</td>
</tr>
<tr>
<td>(less water &amp; exempt solvents)</td>
<td>8 – 10</td>
<td>960 – 1200</td>
</tr>
<tr>
<td>Density</td>
<td>8 – 10</td>
<td>960 – 1200</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>12 – 29</td>
<td>10 – 18</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>71 – 88</td>
<td>82 – 90</td>
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<tr>
<td>Water</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>38 – 57</td>
<td>40 – 53</td>
</tr>
<tr>
<td>Category</td>
<td>Two Stage Topcoat / Color Coating</td>
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</table>

FOR REST-OF-WORLD

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>2 : 1 RU310-313 Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>VOC</td>
<td>9.0 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>8 – 10</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>12 – 29</td>
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<tr>
<td>Total Volatile Content</td>
<td>71 – 88</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Two Stage Topcoat / Color Coating</td>
</tr>
</tbody>
</table>

Note: ROW considered areas outside US/Canada.

TIPS AND TRICKS

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

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

<table>
<thead>
<tr>
<th>ORION SILVERMAX</th>
<th>KANDY KONCENTRATES (OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-BC02</td>
<td>KK01 - KK22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LV SERIES REDUCER (OPTIONAL)</th>
<th>RU SERIES REDUCER (OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU300</td>
<td>RU310</td>
</tr>
<tr>
<td>RU301</td>
<td>RU311</td>
</tr>
<tr>
<td>RU312</td>
<td>RU313</td>
</tr>
</tbody>
</table>

**GUN SETUP**
Refer to spray gun manufacture’s recommendations

**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).

**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

<table>
<thead>
<tr>
<th>Actual VOC</th>
<th>Regulatory VOC (less water &amp; exempt solvents)</th>
<th>Density</th>
<th>Total Solid Content</th>
<th>Total Volatile Content</th>
<th>Water</th>
<th>Exempt Compound Content</th>
<th>Coating Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
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<td>42–50</td>
<td>Two Stage Topcoat / Color Coating</td>
</tr>
<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
<td>0</td>
<td>42–50</td>
<td></td>
</tr>
<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
<td>0</td>
<td>76–82</td>
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</tr>
<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
<td>0</td>
<td>76–82</td>
<td></td>
</tr>
<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
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<td>76–82</td>
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</tr>
<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
<td>0</td>
<td>76–82</td>
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</tr>
<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
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<td>76–82</td>
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<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
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<td>76–82</td>
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<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
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<td>3.5 Max.</td>
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<td>14–19</td>
<td>81–86</td>
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<td>76–82</td>
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<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
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<td>76–82</td>
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<tr>
<td>3.5 Max.</td>
<td>6.0 Max.</td>
<td>8–10</td>
<td>14–19</td>
<td>81–86</td>
<td>0</td>
<td>76–82</td>
<td></td>
</tr>
</tbody>
</table>

**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)

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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
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<tr>
<td>RU310 - 313 Series Reducers</td>
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<td>g/L</td>
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<td>86–90</td>
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<td>Water</td>
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</table>

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

TIPS AND TRICKS

- For more even coats use slower reducer.
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).

**SOLID GRAPHIC COLORS**

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 haven’t 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**

<table>
<thead>
<tr>
<th>Shimrin2 Graphic Kolors</th>
<th>LV Series Reducer</th>
<th>RU Series Reducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-SG01 HS MAROON</td>
<td>S2-SG05 HS RED</td>
<td>RU310</td>
</tr>
<tr>
<td>S2-SG02 HS GREEN</td>
<td>S2-SG06 HS BLUE</td>
<td>RU311</td>
</tr>
<tr>
<td>S2-SG03 HS MAGENTA</td>
<td>S2-SG07 HS ORANGE</td>
<td>RU312</td>
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<td>S2-SG04 HS YELLOW</td>
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<td>RU313</td>
</tr>
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**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**

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<th>RTS Regulatory Data</th>
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<td>LBS/GAL</td>
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<td>LBS/GAL</td>
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<tr>
<td>g/L</td>
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<td>g/L</td>
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**FOR REST-OF-WORLD**

<table>
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<tr>
<th>RTS Regulatory Data</th>
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<th>LV Series Reducers</th>
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<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
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<tr>
<td>LBS/GAL</td>
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<td>LBS/GAL</td>
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<td>g/L</td>
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<tr>
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<td>Total Volatile Content</td>
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<tr>
<td>Coating Category</td>
<td>Two Stage Topcoat / Color Coating</td>
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</table>

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

NOTE: ROW is considered all areas outside US/Canada.
**House of Kolor Shimrin2 Basecoat System**

**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**

<table>
<thead>
<tr>
<th>SHIMRIN2 KARRIER BASES</th>
<th>S2-FX EFFECT PACS</th>
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</thead>
<tbody>
<tr>
<td>S2-00</td>
<td>S2-FX01</td>
</tr>
<tr>
<td>S2-01</td>
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<td>S2-02</td>
<td>S2-FX03</td>
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<td>S2-03</td>
<td>S2-FX04</td>
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<td>S2-FX33</td>
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<tr>
<td>S2-18</td>
<td>S2-FX34</td>
</tr>
</tbody>
</table>

**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 SeriesReducers / 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**

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<td>Weight %</td>
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<tr>
<td>Category</td>
<td>Two Stage Topcoat / Color Coating</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: ROW considered areas outside the US & Canada.
• 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.

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

**GENERAL INFORMATION**

Shimrin2 intermix Kandy basecoat 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**

<table>
<thead>
<tr>
<th>KK KANDY KonCentrates</th>
<th>TRANS NEBULAE</th>
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<tbody>
<tr>
<td>KK01 BRANDYWINE</td>
<td>KK10 PURPLE</td>
</tr>
<tr>
<td>KK02 LIME GOLD</td>
<td>KK11 APPLE RED</td>
</tr>
<tr>
<td>KK03 WILD CHERRY</td>
<td>KK12 PAGAN GOLD</td>
</tr>
<tr>
<td>KK04 ORIENTAL BLUE</td>
<td>KK13 BURPLE</td>
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<td>KK05 COBALT BLUE</td>
<td>KK14 SPANISH GOLD</td>
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<td>KK06 PURLINE</td>
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<td>KK07 ROOTBERRY</td>
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<td>KK18 PINK</td>
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<td>KK19 VOODOO-VIOLET</td>
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**FX EFFECT PACKS**

- LV SERIES REDUCER
- RU SERIES REDUCER
- RU300
- RU310
- RU301
- RU311
- RU312
- RU313
- RU314
- RU315

**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.

**CLEANUP**

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

**TECHNICAL DATA**

FOR USA (National Rule & Low VOC) / Canada

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

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<th>KBC MIXTURE</th>
<th>EFFECT PACK</th>
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</tr>
<tr>
<td>V2</td>
<td>8 oz</td>
<td>1/2 tsp</td>
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</tbody>
</table>

**KBC “V” FORMULA INFORMATION**

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

**EXAMPLE KBC “V” FORMULA**

HOK000123V1-04

**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.
UKK01 Urethane Kandy Karrier is VOC compliant coat to coat. UKK01 can be applied as a medium solids Kandy or as a low solids Kandy. Simply reduce, catalyze and choose a kandy concentrate 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 Surfacers Sealer.

**COMPONENTS**

<table>
<thead>
<tr>
<th>KK KANDY KONCENTRATES</th>
<th>URETHANE KANDY KARRIER</th>
</tr>
</thead>
<tbody>
<tr>
<td>KK01 BRANDYWINE</td>
<td>KK10 PURPLE</td>
</tr>
<tr>
<td>KK02 LIME GOLD</td>
<td>KK11 APPLE RED</td>
</tr>
<tr>
<td>KK03 WILD CHERRY</td>
<td>KK12 PAGAN GOLD</td>
</tr>
<tr>
<td>KK04 ORIENTAL BLUE</td>
<td>KK13 BURPLE</td>
</tr>
<tr>
<td>KK05 COBALT BLUE</td>
<td>KK14 SPANISH GOLD</td>
</tr>
<tr>
<td>KK06 BURGUNDY</td>
<td>KK15 TEAL</td>
</tr>
<tr>
<td>KK07 ROOTBEER</td>
<td>KK16 MAGENTA</td>
</tr>
<tr>
<td>KK08 TANGERINE</td>
<td>KK18 PINK (LIMTED USE DUE TO FADING POTENTIAL)</td>
</tr>
<tr>
<td>KK09 ORGANIC GREEN</td>
<td>KK22 VOODOO VIOLET</td>
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**CATALYST**

<table>
<thead>
<tr>
<th>UV SERIES REDUCER</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>KU152 KOSMIC CATALYST</td>
<td>RU300 RU310</td>
</tr>
<tr>
<td></td>
<td>RU301 RU311</td>
</tr>
<tr>
<td></td>
<td>RU312 RU313</td>
</tr>
<tr>
<td></td>
<td>RU315</td>
</tr>
</tbody>
</table>

**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 isn’t 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 than 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
- 80/20 blend max. 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

**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 won’t 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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310 - 313 Series Reducers</td>
<td>LV Exempt Series Reducers</td>
<td>RU310 - 313 Series Reducers</td>
<td>LV Exempt Series Reducers</td>
<td></td>
</tr>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
<td>LBS/GAL</td>
<td>g/L</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>3.0 Max.</td>
<td>360 Max.</td>
<td>2.1 Max.</td>
<td>256 Max.</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; exempt solvents)</td>
<td>4.2 Max.</td>
<td>500 Max.</td>
<td>3.5 Max.</td>
<td>420 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>8-10</td>
<td>960-1200</td>
<td>8-10</td>
<td>960-1200</td>
</tr>
<tr>
<td>Weight %</td>
<td>Volume %</td>
<td>Weight %</td>
<td>Volume %</td>
<td>Weight %</td>
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<tr>
<td>Total Volatile Content</td>
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<td>66-70</td>
<td>64-68</td>
<td>66-70</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Top coat of more than Two Stages / Color Coating</td>
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<td></td>
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</table>

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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>4 : 1 : 1</th>
<th>4 : 1 : 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310 - 313 Series Reducers</td>
<td>LV Exempt Series Reducers</td>
<td></td>
</tr>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
<td>LBS/GAL</td>
</tr>
<tr>
<td>VOC</td>
<td>6.8 Max.</td>
<td>820 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>8-10</td>
<td>960-1200</td>
</tr>
<tr>
<td>Weight %</td>
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<td>Weight %</td>
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<td>Total Solid Content</td>
<td>32-36</td>
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<td>Total Volatile Content</td>
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<td>66-70</td>
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<tr>
<td>Water</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Two Stage Topcoat / Color Coating</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>KK KANDY KONCENTRATES</th>
<th>CAT/REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK01 BRANDYWINE</td>
<td>UK07 ROOT BEER</td>
</tr>
<tr>
<td>UK02 LIME GOLD</td>
<td>UK08 TANGERINE</td>
</tr>
<tr>
<td>UK03 WILD CHERRY</td>
<td>UK09 ORGANIC GREEN</td>
</tr>
<tr>
<td>UK04 ORIENTAL BLUE</td>
<td>UK10 PURPLE</td>
</tr>
<tr>
<td>UK05 COBALT BLUE</td>
<td>UK11 APPLE RED</td>
</tr>
<tr>
<td>UK06 BURGUNDY</td>
<td>UK12 PAGAN GOLD</td>
</tr>
</tbody>
</table>

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 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

<table>
<thead>
<tr>
<th>AIR DRY @ 70°F</th>
<th>FORCE DRY @ 140°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Time</td>
<td>24 Hours</td>
</tr>
<tr>
<td></td>
<td>30 Minutes</td>
</tr>
</tbody>
</table>

CLEANUP

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

TECHNICAL DATA

FOR USA (National Rule Only)

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>2 : 1 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
<td></td>
</tr>
<tr>
<td>LBS/GAL</td>
<td></td>
</tr>
<tr>
<td>g/L</td>
<td></td>
</tr>
<tr>
<td>Actual VOC</td>
<td>4.5 Max.</td>
</tr>
<tr>
<td>536 Max.</td>
<td></td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; exempt solvents)</td>
<td>5.2 Max.</td>
</tr>
<tr>
<td>630 Max.</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>8 - 9</td>
</tr>
<tr>
<td>Weight %</td>
<td>940 - 1080</td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>27 - 30</td>
</tr>
<tr>
<td>24 - 27</td>
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<tr>
<td>Total Volatile Content</td>
<td>70 - 73</td>
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<tr>
<td>73 - 76</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>20 - 25</td>
</tr>
<tr>
<td>15 - 20</td>
<td></td>
</tr>
<tr>
<td>Coating Category</td>
<td>Topcoat of more than two stages / Color Coating</td>
</tr>
</tbody>
</table>

FOR REST-OF-WORLD

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>2 : 1 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
<td></td>
</tr>
<tr>
<td>LBS/GAL</td>
<td></td>
</tr>
<tr>
<td>g/L</td>
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<tr>
<td>VOC</td>
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<td>795 Max.</td>
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<tr>
<td>Density</td>
<td>8 - 9</td>
</tr>
<tr>
<td>Weight %</td>
<td>940 - 1080</td>
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<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
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<tr>
<td>Total Volatile Content</td>
<td>70 - 73</td>
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<tr>
<td>73 - 76</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Two Stage Topcoat / Color Coating</td>
</tr>
</tbody>
</table>

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)

NOTE: ROW considered areas outside of US/Canada.
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

<table>
<thead>
<tr>
<th>C2C-LE Factory Packs</th>
<th>LV SERIES REDUCER</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Entire product list visit Houseofkolor.com</td>
<td>RU300</td>
<td>RU310</td>
</tr>
<tr>
<td></td>
<td>RU301</td>
<td>RU311</td>
</tr>
<tr>
<td></td>
<td>RU312</td>
<td>RU313</td>
</tr>
<tr>
<td></td>
<td>RU315</td>
<td></td>
</tr>
</tbody>
</table>

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 (continued)

For US NATIONAL RULE

<table>
<thead>
<tr>
<th>RTS REGULATORY DATA</th>
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<tbody>
<tr>
<td>(RU Series Reducers)</td>
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<tr>
<td>LBS./GAL.</td>
<td>g/L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>3.8 Max.</td>
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<tr>
<td>Regulatory VOC</td>
<td>5.8 Max.</td>
</tr>
<tr>
<td>(less water and exempt solvents)</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>8 - 9</td>
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<tr>
<td>Total Solids Content</td>
<td>14 - 18</td>
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<td>Water</td>
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<td>Exempt Compound Content</td>
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<td>Color Coat</td>
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</table>

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)

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<thead>
<tr>
<th>RTS REGULATORY DATA</th>
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<tbody>
<tr>
<td>(RU Series Reducers)</td>
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<td>LBS./GAL.</td>
<td>g/L</td>
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<tr>
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<td>8 - 9</td>
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<td>Total Solids Content</td>
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<td>Total Volatile Content</td>
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<td>Water</td>
<td>0</td>
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<tr>
<td>Coating Category</td>
<td>Color Coat</td>
</tr>
</tbody>
</table>

NOTE: ROW considered areas outside of US/Canada.

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

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

<table>
<thead>
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<th>RTS Regulatory Data</th>
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</thead>
<tbody>
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<td>RU310-313 Series Reducers</td>
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<td>g/L</td>
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<td>Two Stage Topcoat / Color Coating</td>
</tr>
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</table>

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

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<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>2 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
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</tr>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.8 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>7 - 9</td>
</tr>
<tr>
<td>Weight %</td>
<td>840 - 1080</td>
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<tr>
<td>Volume %</td>
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</tr>
<tr>
<td>Total Solid Content</td>
<td>10 - 16</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>84 - 90</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Two Stage Topcoat / Color Coating</td>
</tr>
</tbody>
</table>

Note: ROW considered areas outside of US/Canada.
## TECHNICAL DATA (continued)

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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>2 : 1</th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
<td><strong>LBS/GAL</strong></td>
<td><strong>g/L</strong></td>
<td><strong>LBS/GAL</strong></td>
<td><strong>g/L</strong></td>
</tr>
<tr>
<td>Actual VOC</td>
<td>3.5 Max.</td>
<td>420 Max.</td>
<td>0.9 Max.</td>
<td>105 Max.</td>
</tr>
<tr>
<td>Regulatory VOC</td>
<td>5.8 Max.</td>
<td>700 Max.</td>
<td>3.5 Max.</td>
<td>420 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>7 - 9</td>
<td>840 - 1080</td>
<td>8 - 10</td>
<td>960 - 1200</td>
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<tr>
<td>Total Solid Content</td>
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<td></td>
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<tr>
<td>Total Volatile Content</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exempt Compound Content</td>
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</tr>
<tr>
<td>Coating Category</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

## TIPS AND TRICKS

- All KBC & C2C 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 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**

<table>
<thead>
<tr>
<th>PBC FACTORY PACKS (NATIONAL RULE ONLY)</th>
<th>C2C-PBC FACTORY PACKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>For entire PBC product list visit Houseofkolor.com</td>
<td>For entire C2C-PBC product list visit Houseofkolor.com</td>
</tr>
<tr>
<td>LV SERIES REDUCER RU SERIES REDUCER</td>
<td>RU300 RU310</td>
</tr>
<tr>
<td>RU301 RU311</td>
<td>RU312 RU313</td>
</tr>
</tbody>
</table>

**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’ products 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**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>RU310-313 Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS / GAL</td>
<td>g / L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.8 Max</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; Exempt Solvents)</td>
<td>6.8 Max</td>
</tr>
<tr>
<td>Density</td>
<td>7-9</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>10-15</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>85-90</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>RU310-313 Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS / GAL</td>
<td>g / L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>3.2 Max</td>
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<tr>
<td>Regulatory VOC (less water &amp; Exempt Solvents)</td>
<td>5.8 Max</td>
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<tr>
<td>Density</td>
<td>7-9</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>11.16</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>84-89</td>
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<td>Water</td>
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<tr>
<td>Exempt Compound Content</td>
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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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
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<th>RU310-313 Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS / GAL</td>
<td>g / L</td>
<td></td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.8 Max</td>
<td>815 Max</td>
</tr>
<tr>
<td>Density</td>
<td>7.9</td>
<td>840 - 1080</td>
</tr>
<tr>
<td>Weight %</td>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>10-16</td>
<td>8-14</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>84-90</td>
<td>86-92</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Two Stage Topcoat / Color Coating</td>
<td></td>
</tr>
</tbody>
</table>

Note: ROW considered areas outside of US/Canada.

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-BCO2, 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.
SHIMRIN® BC / FBC & C2C-BC / C2C-FBC CLASSIC & COAST 2 COAST COMPLIANT METALLIC COLOR BASE FACTORY PACKS

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
<table>
<thead>
<tr>
<th>BC &amp; FBC FACTORY PACKS</th>
<th>C2C-FBC FACTORY PACKS</th>
<th>LV SERIES REDUCER</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Entire BC &amp; FBC product list visit HouseofKolor.com</td>
<td>For Entire C2C-BC &amp; C2C-FBC product list visit HouseofKolor.com</td>
<td>RU300</td>
<td>RU310</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RU301</td>
<td>RU311</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RU312</td>
<td>RU313</td>
</tr>
</tbody>
</table>

For Entire BC & FBC product list visit HouseofKolor.com

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 clear. 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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>RU310/313 Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS / GAL</td>
<td>g / L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.8 Max</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; Exempt Solvents)</td>
<td>6.8 Max</td>
</tr>
<tr>
<td>Density</td>
<td>7.9</td>
</tr>
<tr>
<td>Weight %</td>
<td>840 - 1080</td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>10.15</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>87.92</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Two Stage Topcoat / Color Coating</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
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</tr>
</thead>
<tbody>
<tr>
<td>LBS / GAL</td>
<td>g / L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.8 Max</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; Exempt Solvents)</td>
<td>6.8 Max</td>
</tr>
<tr>
<td>Density</td>
<td>7.9</td>
</tr>
<tr>
<td>Weight %</td>
<td>840 - 1080</td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>10.15</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>87.92</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
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<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Two Stage Topcoat / Color Coating</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>RU310/313 Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS / GAL</td>
<td>g / L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.8 Max</td>
</tr>
<tr>
<td>Density</td>
<td>7.9</td>
</tr>
<tr>
<td>Weight %</td>
<td>840 - 1080</td>
</tr>
<tr>
<td>Volume %</td>
<td></td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>10.16</td>
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<tr>
<td>Total Volatile Content</td>
<td>86.92</td>
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<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Two Stage Topcoat / Color Coating</td>
</tr>
</tbody>
</table>

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 proper undercoat system following recommended procedures
- All surfaces should be finish sanded with 600/P800 grit wet or dry sandpaper or equivalent

COMPONENTS

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBC FACTORY PACKS (NATIONAL RULE ONLY)</td>
<td>RU SERIES REDUCER</td>
</tr>
<tr>
<td>MBC01</td>
<td>RU310</td>
</tr>
<tr>
<td>MBC04</td>
<td>RU311</td>
</tr>
<tr>
<td>RU312</td>
<td>RU313</td>
</tr>
</tbody>
</table>

MIXING RATIO

For US National Rule VOC Compliance (2:1 by volume)
- Two (2) parts MBC Shimrin® Metajul™ Metallic Series Basecoat
- One (1) part RU reducers

DRY TIME

- At 75°F, allow to flash 15 minutes or until 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.

TECHNICAL DATA (continued)

FOR USA (National Rule Only)

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>RU310:313 Series Reducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
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<tr>
<td>Actual VOC</td>
<td>6.8 Max.</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; exempt solvents)</td>
<td>6.8 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>7 - 8</td>
</tr>
<tr>
<td>Weight %</td>
<td>Volume %</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>10 - 13</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>87 - 90</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Color Coat</td>
</tr>
</tbody>
</table>

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 Shimrin 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.

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

TECHNICAL DATA

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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>2 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310:313 Series Reducers</td>
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</tr>
<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>VOC</td>
<td>6.8 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>7 - 8</td>
</tr>
<tr>
<td>Weight %</td>
<td>Volume %</td>
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<tr>
<td>Total Solid Content</td>
<td>10 - 13</td>
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<tr>
<td>Total Volatile Content</td>
<td>87 - 90</td>
</tr>
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<td>Water</td>
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<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Color Coat</td>
</tr>
</tbody>
</table>

US NATIONAL RULE ONLY
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: Neons must be sprayed over KD3002 or S2-26 for desired finish.

COMPONENTS

<table>
<thead>
<tr>
<th>SHIMRIN NEON BASECOAT</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RU310</td>
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<tr>
<td></td>
<td>RU311</td>
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<tr>
<td></td>
<td>RU312</td>
</tr>
<tr>
<td></td>
<td>RU313</td>
</tr>
</tbody>
</table>

For Entire NE product list visit Houseofkolor.com

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.

TECHNICAL DATA

FOR USA (National Rule Only)

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>2 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU310-313 Series Reducers</td>
<td></td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.2 Max.</td>
</tr>
<tr>
<td>Regulatory VOC (less water &amp; exempt solvents)</td>
<td>6.2 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>7 - 8</td>
</tr>
<tr>
<td>Weight %</td>
<td>80 %</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>20 - 25</td>
</tr>
<tr>
<td>Total Volatile Content</td>
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</tr>
<tr>
<td>Water</td>
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<tr>
<td>Coating Category</td>
<td>Color Coat</td>
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FOR REST-OF-WORLD (Outside US and Canada)

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
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<tr>
<td>RU310-313 Series Reducers</td>
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<td>VOC</td>
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<tr>
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<tr>
<td>Total Volatile Content</td>
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<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Color Coat</td>
</tr>
</tbody>
</table>

TIPS AND TRICKS
• ALL NEONS MUST BE CLEAR COATED.
• Do not apply heavy wet coats.
• For extended life, cover or shield 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.
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 maximum effect we suggest viewing pearls in direct sunlight. DP series pearls are suggested over light-colored bases or solid colors for varied 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

<table>
<thead>
<tr>
<th>PEARL AMOUNT</th>
<th>FOR DARK BASE</th>
<th>FOR LIGHT BASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE OF PEARL</td>
<td>PER SPRAYABLE MIXED QUART</td>
<td></td>
</tr>
<tr>
<td>DRY PEARL</td>
<td>0.10 – 0.25 oz (1/4 – 1 tsp)</td>
<td>0.25 – 0.5 oz (1 – 2 tsp)</td>
</tr>
</tbody>
</table>

**GUN SETUP**
Refer to manufacturer’s information for gun set up recommendations

**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

<table>
<thead>
<tr>
<th>KARRIER</th>
<th>ICE PEARLS</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-00</td>
<td>For Entire IP product list visit</td>
<td>RU310</td>
</tr>
<tr>
<td>C2C-SG100 or 150</td>
<td>Houseofkolor.com</td>
<td>RU311 RU312 RU313</td>
</tr>
</tbody>
</table>

MIXING RATIO
Add Ice Pearl to mixed ready to spray 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

<table>
<thead>
<tr>
<th>TYPE OF PEARL</th>
<th>FOR DARK BASE</th>
<th>FOR LIGHT BASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRY PEARL</td>
<td>0.25 – 0.5 oz (1 - 2 tsp)</td>
<td>0.75 – 1 oz (3 –4 tsp)</td>
</tr>
</tbody>
</table>

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

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.

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.

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. (Use 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 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.

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>MIN. NOZZLE SIZE</th>
<th>DARK BASE</th>
<th>LIGHT BASE</th>
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<tbody>
<tr>
<td>F14</td>
<td>RAINBO (1/64)</td>
<td>1.8</td>
<td>4-12 Tbls</td>
<td>12 Tbls</td>
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<tr>
<td>F15</td>
<td>SILVER (1/64)</td>
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<td>4-12 Tbls</td>
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<tr>
<td>F16</td>
<td>LITE GOLD</td>
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<tr>
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<td>DARK GOLD</td>
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<tr>
<td>F18</td>
<td>ORANGE</td>
<td>1.5</td>
<td>1-3 Tbls</td>
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<tr>
<td>F19</td>
<td>APRICOT</td>
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<td>RED</td>
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<td>F73</td>
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<td>1-3 Tbls</td>
<td>3 Tbls</td>
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<td>UMF02</td>
<td>ULTRA SILVER MINI</td>
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<td>UMF04</td>
<td>ULTRA RAINBO MINI</td>
<td>1.3</td>
<td>1-3 Tbls</td>
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</table>
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

<table>
<thead>
<tr>
<th>KAMELEON KOLORS BASECOAT</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Entire KF product list visit Houseofkolor.com</td>
<td>RU310</td>
</tr>
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<td>RU311</td>
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<tr>
<td></td>
<td>RU312</td>
</tr>
<tr>
<td></td>
<td>RU313</td>
</tr>
</tbody>
</table>

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.

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.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>TECHNICAL DATA (continued)</th>
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</table>

FOR USA (National Rule):

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<th>RTS REGULATORY DATA</th>
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<tr>
<td>RU Series Reducers</td>
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</tr>
<tr>
<td>LBS./GAL.</td>
<td>g/L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>6.9 Max.</td>
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<td>Regulatory VOC (less water and exempt solvents)</td>
<td>6.9 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>7-8</td>
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<tr>
<td>Total Solids Content</td>
<td>8-10</td>
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<td>Total Volatile Content</td>
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<td>Water</td>
<td>0</td>
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<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Color Coat</td>
</tr>
</tbody>
</table>

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

TIPS AND TRICKS

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

COMPONENTS

<table>
<thead>
<tr>
<th>KOSMIC LONG-GLO</th>
<th>RU SERIES REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Entire KLG product list visit Houseofkolor.com</td>
<td>RU310</td>
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<tr>
<td></td>
<td>RU311</td>
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<tr>
<td></td>
<td>RU312</td>
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<tr>
<td></td>
<td>RU313</td>
</tr>
</tbody>
</table>

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.

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)
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

Application
- Spray one (1) coat with 50% pattern overlap
- Only apply to an area that can be marblized 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):

<table>
<thead>
<tr>
<th>RTS REGULATORY DATA</th>
<th>READY-TO-SPRAY</th>
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</thead>
<tbody>
<tr>
<td>LBS./GAL.</td>
<td>g/L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>5.8 Max.</td>
</tr>
<tr>
<td>Regulatory VOC</td>
<td>5.8 Max.</td>
</tr>
<tr>
<td>(less water and exempt solvents)</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>7 - 8</td>
</tr>
<tr>
<td>Total Solids Content</td>
<td>17 - 22</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>78 - 83</td>
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<tr>
<td>Water</td>
<td>0</td>
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<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Color Coat</td>
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</table>

Technical Data (continued)

For Rest-of-World (outside US and Canada):

<table>
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<tr>
<th>RTS REGULATORY DATA</th>
<th>READY-TO-SPRAY</th>
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<tbody>
<tr>
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<td>(less water and exempt solvents)</td>
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<tr>
<td>Density</td>
<td>7 - 8</td>
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<tr>
<td>Water</td>
<td>0</td>
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<tr>
<td>Exempt Compound Content</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Color Coat</td>
</tr>
</tbody>
</table>

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 recommend 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.

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.
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.

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 recommend 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.

APPLICATION

Apply MC Kosmic Krome as little as is needed to achieve the desired effect. This product 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 USA (National Rule)

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<thead>
<tr>
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<tr>
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<tr>
<td>Volume %</td>
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<td>Water</td>
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</tr>
<tr>
<td>Exempt Compound Content</td>
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</tr>
</tbody>
</table>

Category: Two-Stage Topcoat

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

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.

TECHNICAL DATA (continued)

FOR REST-OF-WORLD

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<td>Category</td>
<td>Two-Stage Topcoat</td>
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</table>

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

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

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

<table>
<thead>
<tr>
<th>KLEAR</th>
<th>CATALYST</th>
<th>LV SERIES REDUCER</th>
<th>RU SERIES REDUCER</th>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RU315</td>
</tr>
</tbody>
</table>

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

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</table>

NOTE: US / Canadian regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional adds, and optional reducer blends.
• 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-catalyze, follow recommended mixing instructions to avoid issues.
• Over Spray from any catalyzed products may lift when base coats are applied. Mask carefully to prevent this over spray when painting door jambs, etc.
USC01 is a higher flowing clear that requires the user to use the hand slick method to prevent runs and solvent popping.
• Use a timer between coats generally 15–45 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.

### FOR REST-OF-WORLD

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</table>

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

### TIPS AND TRICKS

- ONLY USE KU152 CATALYST WITH USC01 KLEAR.
- All catalysts including KU152, are moisture-sensitive and will not keep for long periods open. Keep the container tightly sealed. Clean the catalyst container’s pour spout by wiping the threads with reducer for ease of reopening.
- Do not over-catalyze, follow recommended mixing instructions to avoid issues.
- Over Spray from any catalyzed products may lift when base coats are applied. Mask carefully to prevent this over spray when painting door jambs, etc.
USC01 is a higher flowing clear that requires the user to use the hand slick method to prevent runs and solvent popping.
- Use a timer between coats generally 15–45 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**

<table>
<thead>
<tr>
<th>KLEAR</th>
<th>CATALYST</th>
<th>LV SERIES REDUCER</th>
<th>RU SERIES REDUCER</th>
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</tr>
<tr>
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<td>RU315</td>
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**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**

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

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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

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<thead>
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<th>KLEAR</th>
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<tr>
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<td>RU315</td>
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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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
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</tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>2 parts UFC35</td>
<td>2 parts KU150</td>
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<tr>
<td>1 part RU310 - 313</td>
<td>1 part RU310 - 313</td>
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<td>Series Reducers</td>
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<tr>
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<td>(less water &amp; exempt solvents)</td>
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<tr>
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</tr>
<tr>
<td>Weight %</td>
<td>1080 - 1200</td>
</tr>
<tr>
<td>Volume %</td>
<td>10 - 11</td>
</tr>
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<td>Total Solvent</td>
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<td>Weight %</td>
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<td>Exempt Compound</td>
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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)

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<tr>
<th>RTS REGULATORY DATA</th>
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<tr>
<td></td>
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</tr>
<tr>
<td>Density</td>
<td>9 - 10</td>
</tr>
<tr>
<td>Weight %</td>
<td>1080 - 1200</td>
</tr>
<tr>
<td>Total Solid Content</td>
<td>28 - 32</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>68 - 72</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Clear Coat</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>KLEAR</th>
<th>CATALYST</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC21</td>
<td>UA22 - FAST</td>
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<tr>
<td></td>
<td>UA23 - MEDIUM</td>
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<tr>
<td></td>
<td>UA24 - SLOW</td>
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</table>

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

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

TECHNICAL DATA

US (National Rule and Low VOC) / Canada

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<thead>
<tr>
<th>RTS Regulatory Data</th>
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<td>Weight %</td>
<td>Volume %</td>
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<tr>
<td>Exempt Compound Content</td>
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Note: US / Canadian regulations allow for the use of exempt compounds for VOC calculations.

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

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<td>Total Volatile Content</td>
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<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Clear Coat</td>
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</table>

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

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).
URC01 Urethane Kosmic Rokket Klear is an extremely fast-drying klear. This klear is ideal for Bike Tin, small parts, jaming, 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

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<tr>
<th>CLEAR</th>
<th>CATALYST</th>
<th>RU SERIES REDUCER</th>
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<td>URC01</td>
<td>KU152</td>
<td>RU310</td>
</tr>
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<tr>
<td></td>
<td></td>
<td>RU312</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RU313</td>
</tr>
</tbody>
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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

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
<th>4 : 1 : 0 - 5 %</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>RU310-313 Series Reducers</td>
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<tr>
<td>LBS/GAL</td>
<td>g/L</td>
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<tr>
<td>Actual VOC</td>
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<tr>
<td>Regulatory VOC (less water &amp; exempt solvents)</td>
<td>2.1 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>0 - 10</td>
</tr>
<tr>
<td>Percentage</td>
<td>Weight %</td>
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<tr>
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<td>28 - 40</td>
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<tr>
<td>Total Volatile Content</td>
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<td>Water</td>
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<tr>
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<td>Category</td>
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NOTE: US/Canadian regulations allow for the use of exempt compounds for VOC calculations.

For Rest-of-World

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<tr>
<th>RTS Regulatory Data</th>
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<tbody>
<tr>
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<td>RU310-313 Series Reducers</td>
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<tr>
<td>LBS/GAL</td>
<td>g/L</td>
</tr>
<tr>
<td>VOC</td>
<td>7.2 Max.</td>
</tr>
<tr>
<td>Density</td>
<td>8 - 10</td>
</tr>
<tr>
<td>Percentage</td>
<td>Weight %</td>
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<tr>
<td>Total Solid Content</td>
<td>28 - 40</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>60 - 72</td>
</tr>
<tr>
<td>Water</td>
<td>0</td>
</tr>
<tr>
<td>Category</td>
<td>Clear Coat</td>
</tr>
</tbody>
</table>

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 recommended 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

<table>
<thead>
<tr>
<th>KLEAR</th>
<th>CATALYST</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC21</td>
<td>KUF21</td>
</tr>
</tbody>
</table>

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

NOTE:
• 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 (continued)

FOR REST-OF-WORLD

<table>
<thead>
<tr>
<th>RTS Regulatory Data</th>
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<td>LBS/GAL</td>
<td>g/L</td>
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<tr>
<td>VOC</td>
<td>6.6 Max.</td>
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<td>Density</td>
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NOTE: Rest-Of-World considered areas outside US /Canada.

FOR USA (National Rule & Low VOC) / Canada

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<th>RTS Regulatory Data</th>
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</tr>
<tr>
<td>Water</td>
<td>0</td>
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<tr>
<td>Exempt Compound Content</td>
<td>55 - 60</td>
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<tr>
<td>Coating Category</td>
<td>Clearcoat</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>INTERCOAT</th>
<th>OPTIONAL ADDITIVES</th>
<th>UV SERIES REDUCER</th>
<th>RU SERIES REDUCER</th>
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<tr>
<td>C2C-SG100</td>
<td>Dry Pearl</td>
<td>RU300</td>
<td>RU310</td>
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<td>Flake</td>
<td>RU301</td>
<td>RU311</td>
</tr>
<tr>
<td></td>
<td>Kandy Koncentrate</td>
<td></td>
<td>RU312</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>RU313</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RU315</td>
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</table>

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.

DROUGHT
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 Kandyks 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 satisfied then topcoat with clear after proper dry time.

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.
### TECHNICAL DATA

#### FOR USA (National Rule & Low VOC) / Canada

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<td>LV Exempt Series Reducers</td>
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<td>g/L</td>
<td>LBS/GAL</td>
</tr>
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Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional adds mentioned above.

#### FOR REST-OF-WORLD

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

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

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<td>LV Exempt Series Reducers</td>
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Note: ROW considered areas outside US and Canada.

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

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<td>Regulatory VOC (less water &amp; exempt solvents)</td>
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<tr>
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<tr>
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</table>

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

### TIPS AND TRICKS

- Do not use C2C-SG100 as a final klear.
- This product is not designed for hi-build application.
- The difference between S2-00 Trans Nebulae and C2C-SG100 intercoat is that S2-00 has an encapsulation 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

<table>
<thead>
<tr>
<th>INTERCOAT KLEAR</th>
<th>OPTIONAL ADDITIVES</th>
<th>LV SERIES REDUCER</th>
<th>RU SERIES REDUCER</th>
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<tr>
<td>C2C-SG150</td>
<td>Dry Pearl</td>
<td>RU300</td>
<td>RU310</td>
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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

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<tr>
<td>g/L</td>
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<tr>
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<tr>
<td>Reducers</td>
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<td>LV Exempt Series</td>
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Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional adds mentioned above.

FOR REST-OF-WORLD

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