

HOUSE OF KOLOR

TECHNICAL DATA INFORMATION

IMPORTANT NOTE: This document includes information on UC-1 and UFC-1. These products are for sale outside the United States only.

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.

We do not recommend painting in temperatures below 21°C.

NOT INTENDED FOR USE BY THE GENERAL PUBLIC.

For controlled results, House of Kolor recommends products be used as a "total system". We do not recommend the intermixing of various manufacturers' products. This is only asking for trouble. No professional or amateur should run the risk of a job failure. Custom painting is complicated enough without gambling on untested product compatibility.

Apply only over House of Kolor primers/sealers and/or properly prepared OEM paint.

Do not apply House of Kolor products over alkyd or synthetic enamels, uncatalyzed acrylic enamel, primers, sealers or topcoats that may 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 painters' chain.

IMPORTANT: 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 Valspar agrees otherwise in writing, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Unless Valspar agrees otherwise in writing, Valspar's only obligation for any defect in this product under any warranty that Valspar provides or under any other legal theory will be to replace the defective product, or to refund its purchase price, at Valspar's option.

CAUTIONS

Read Cautions and Warnings on all product can labels!

TECHNICAL DATA

Material Safety Data sheets available upon request.

TECHNICAL ASSISTANCE

1800 350 622

PREPARATION

BEFORE YOU BEGIN

READ ALL INSTRUCTIONS THOROUGHLY.

We do not recommend painting in temperatures below 21°C.

GENERAL INFORMATION

Poor preparation can cause future topcoat problems. Sand the original finish well. Use our KP-2CF, or KP-21 catalyzed primers over body work and for build at deep sanded areas.

1. BODY WORK

Prepare vehicle using normal custom painting methods.

- A. Before any sanding, use KC-10 Wax & Grease remover to remove any tar, wax, or grease.
- B. Grind away paint and primer in areas requiring body work.
- C. Always be aware that your hands can transfer body oil, so keep a rag between you and the surface to be primed or painted and avoid touching the vehicle with your bare hand.
- D. Use power tools to get close when sanding filler. Then block sand. Keep the block front to rear, but crossing to prevent flat spots.
- E. Always prime with our KP-2CF, or KP-21 Primers. Allow proper cure time to prevent shrinkage.
- F. Guide coat your primer with Tempo 827 so when you block sand, your sand scratches or low spots are revealed. Final sand the primer with P400 grit sandpaper.

2. PRIMERS

Many bases are susceptible to staining or bleeding from plastic fillers, putties, fiberglass resins and some primers. To prevent staining, strip bare (or to OEM primer) and prime with our KP-2CF Chromate Free Kwikure Epoxy Primer or KP-21 Low VOC Epoxy Primer. ***See tech sheets for more information on KP Primers.***

NOTE: OEM (Original Equipment Manufacturer) coatings work well as a base for your paint job.

3. FOR EXISTING FINISHES

Surface should be free of wax, grease and foreign materials. Use KC-10 Wax & Grease Remover prior to any sanding. For post-sanding, use our KC-20 to remove any sanding residue for final wash. Sand the surface with P400 grit wet or P320 grit dry with a D.A. Sander (wet is best), and apply 1-2 coats of KO-Seal II (sealer). Let dry for 1 hour before top coating.

NOTE: Do not re-coat existing paint finishes in excess of 8 mils, as paint failure can result from excessive film build.

UK KOSMIC KOLOR URETHANE ENAMEL KANDYS

GENERAL INFORMATION

Kosmic Kolor® urethane enamel Kandys may be applied over any of our SHIMRIN® Universal Base Coats. Use only Kosmic Reducers. Do not mix other companies products with House of Kolor's products, as many have proven to be incompatible. *This includes other companies' primers, sealers, reducers and clears.*

IMPORTANT NOTE

Use only our Kosmic Reducers. Carefully choose the correct reducer based on your spray booth temperature with fan running. If no spray booth is available, use a faster dry reducer. Kosmic Reducers have very noticeable differences in dry times. For additional flow, add more reducer of the same speed or mix with a slower reducer. **See tech sheet for more information on Kosmic Reducers.**

IMPORTANT INFORMATION ABOUT UK'S

The following UK's have a tendency to bleed through art work applied over them. Always use our Bleed Check Sealer SBS-10 before any artwork is applied. **See tech sheet for more information on Bleed Check Sealer.** A catalyzed clear coat will NOT stop their tendency to bleed.

The UK products are: UK-03, UK-05, UK-06, UK-10, and UK-13.

IMPORTANT INFORMATION ABOUT UK-18 KANDY PINK

UK-18 Kandy Pink has limited light fastness and should only be used on products that have limited exposure to sunlight. Use with discretion. UK-18 is recommended for show vehicles.

1. PREPARATION

Read "TECH REP" thoroughly before you begin painting. To prevent filler bleed through, apply 3 coats of our KP-2CF Chromate Free Kwikure Epoxy Primer or our KP-21 Kwikure Epoxy Primer. **See tech sheets for more information on KP Primers.**

2. GROUND COAT

- Primer (KP-2CF, KP-21)
- Sealer (KO-SEAL II)
- SHIMRIN® Bases

VEHICLE MUST BE ONE EVEN COLOR BEFORE APPLICATION OF BASE COAT. Primers and sealers may be used as a ground coat. Use HOUSE OF KOLOR KO-SEAL II (available in three colors). Use a sealer closest to the base color for faster coverage of base coats. Follow label instructions. Allow flash time on sealer. **See tech sheets for more information on KO-SEAL II, and KP Primers.**

NOTE: Sealer is not a cure all for poor preparation and does not prevent discoloration or bleeding. You may also use any of our Kosmic Kolor® SHIMRIN® Bases: Designer Pearls, Graphic Kolors, Neons, Metallics, etc., for the ground coat. The color of the ground coat will vary the final color. This is an excellent place for creativity. Follow labels instructions. Allow flash time on each coat of ground color. **See appropriate tech sheets for application instructions.**

3. BASE COAT

You may use any of our SHIMRIN® Bases under the Kosmic Kolor® urethane enamels. Follow label instructions. Allow flash time on each coat of base color. **See individual tech sheets for specific instructions.**

UK KOSMIC KOLOR URETHANE ENAMEL KANDYS

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4. KOSMIC KOLOR KANDY COAT (UK)

Kosmic Kandys may be applied over any of our SHIMRIN® bases or Kosmic Solid Colors. Mix by volume, 2 parts Kandy to 1 part KU-100 Catalyst to 1 part Kosmic Reducer. REDUCE ONLY WITH OUR KOSMIC REDUCERS. Use a reducer best suited to your shop conditions. **See tech sheet for more information on reducers.**

NOTE: 3 to 6 ounces of reducer (per mixed quart) may be added for better control and flow out.
NOTE: KU-100 Catalyst is moisture sensitive and will not keep for long periods once opened. When doing small jobs, buy smaller containers to prevent spoilage. Keep container tightly sealed.

Strain the paint into the paint gun. Air pressure 50-60 psi at the gun, 10 psi at nozzle of HVLP. Apply 5 to 6 coats to achieve proper color. Start with 3 medium wet coats first, with 75% spray overlap. Finish with 2 to 3 full wet coats with 50% spray pattern overlap. Gun distance while spraying should be approximately 6 inches. Walk long objects. Allow flash time between coats.

URETHANE FLASH TEST -PAINT SHOULD BE STICKY AND NOT STRING WHEN TOUCHED AT THE WETTEST POINT BEFORE NEXT COAT IS APPLIED. (See page 31)

NOTE: Too long a dry time between coats may cause lifting. If finish feels dry, allow 12 hours before re-coating. Scuff with maroon scuff pad to remove gloss.

NOTE: Color strength will vary based on base color, number of Kandy coats, type and number of clear coats, and spray technique. LIGHTER BASE COLORS REQUIRE MAXIMUM NUMBER OF KANDY COATS FOR LONGEVITY. A base color tinted near the Kandy color eases application and improves longevity.

5. KANDY APPLICATION TECHNIQUES

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.

Setting up the Spray gun

- Know the equipment
- Check spray gun pattern, it must be consistent. (See Diagram One)
- Turn fluid knob in, to restrict trigger pull and reduce amount of Kandy delivered. This must be done for the first two to three coats to avoid streaking.

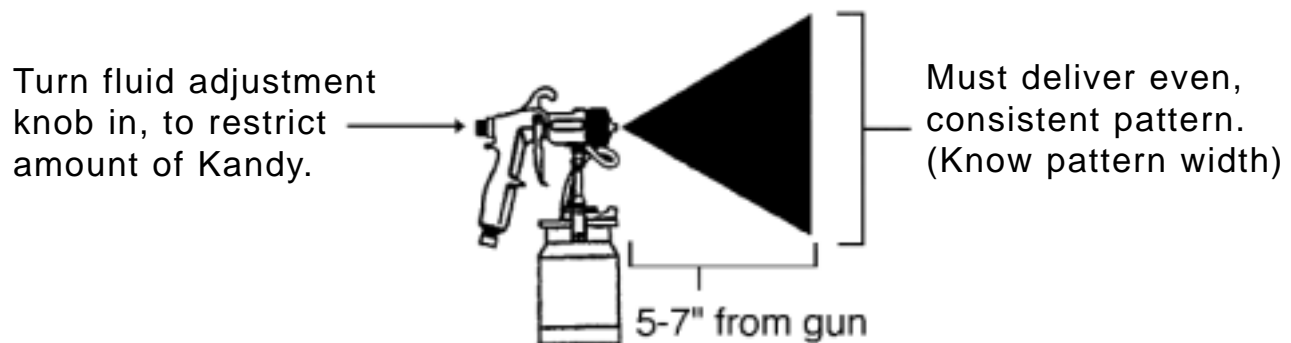


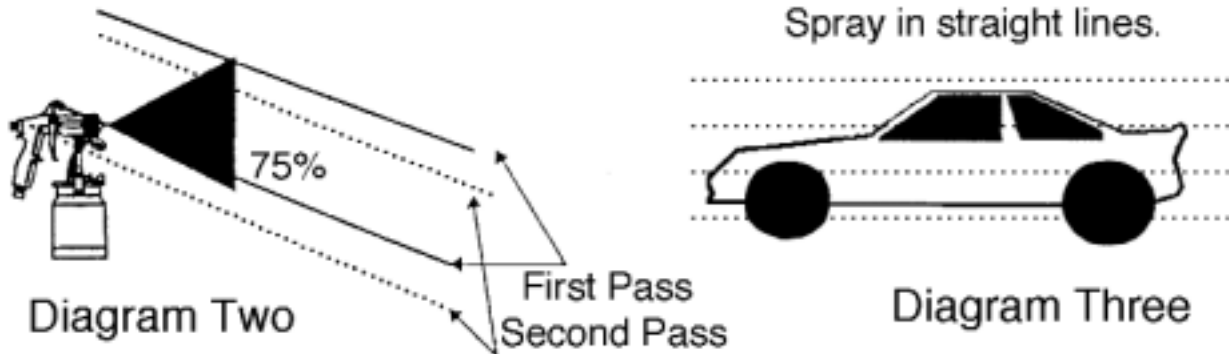
Diagram One

UK KOSMIC KOLOR URETHANE ENAMEL KANDYS

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Application- The First 2 to 3 Coats

- Apply Kandy with recommended pattern overlap. (See Diagram Two)
- Spray gun should be 5 to 7 inches from surface.
- Do not apply Kandy panel to panel, spray entire length of object.
- Spray in straight lines, do not follow body lines. (See Diagram Three)



Application- Final Coats

- Adjust fluid knob for full trigger pull, apply an additional 2 to 3 coats with 50% overlap.
- Allow each coat to stop “stringing” before applying next coat. Do not allow coats to completely dry to touch.
- Apply 2 to 3 coats of urethane clear, allowing Kandy only enough time to stop “stringing”. Do not allow Kandy to completely dry before clearing.

6. POLISHING

After 60 days, the vehicle may be waxed. We recommend using a quality non-abrasive Carnauba wax. **See tech sheet for more information on Polishing & Finishing.**