

# 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 70°F.**

### **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**

(601) 798-4229

# PREPARATION

## BEFORE YOU BEGIN

***READ ALL INSTRUCTIONS THOROUGHLY.***

**We do not recommend painting in temperatures below 70°F.**

## 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 320- 400 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 320-400 grit wet or 240-320 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.

# NE SHIMRIN® NEON

## GENERAL INFORMATION

SHIMRIN® Neons (NE) are universal base coats that may simply be cleared for a final finish, or used as a base coat for Kandys. Due to their unique chemistry make-up, they may be top coated with either acrylic lacquer or urethane enamel. Once a system is chosen (acrylic lacquer or urethane enamel) use only products within that system. For example: If Neon is top coated with an acrylic lacquer Kandy, it must also be cleared with an acrylic lacquer clear.

USE WITH DISCRETION! Neons have limited colorfastness in the sun. Neons are not recommended for overall refinishing or where long life is a requirement. Neons are designed for high visual impact on racecars, boats, cycles, etc., where colorfastness is not the priority, but eye-grabbing brightness is.

## 1. PREPARATION

Read 'TECH PREP' thoroughly before you begin painting. SHIMRIN® Neons 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 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)

UNIFORM COVERAGE OF PRIMER OR SEALER IS REQUIRED BEFORE APPLICATION OF BASE COAT. We recommend using KO-SEAL II KS-10 or KS-210 White under the Neons. Follow label instructions. Allow flash time on sealer. **See tech sheets for more information on KO-SEAL II and primers.**

**NOTE:** Sealer is not a cure-all for poor preparation and does not prevent discoloration or bleeding.

## 3. WHITE BASE COAT BC-26

Use our Kosmic Kolor SHIMRIN® BC-26 White, KO-SEAL II KS-10 or KS-210 as a base coat for all Neons. This will give the Neons maximum brightness. Apply 2-4 medium coats of BC-26 with 50% pattern overlap. Allow flash time between coats. Maintain thorough coverage.

**NOTE:** A OEM white or jelcoat may also be sanded with 400-500 grit wet and used as a base for Neons. Do individual testing to be sure of compatibility.

**NOTE:** Do not apply over other companies' paint products. Lifting or splitting may occur when Neon is applied over other companies' bases.

Neons need a white base for brightness, but other base colors can be used for special effects. Life of the Neons can be greatly increased by tinting the white base with a Neon or SG Graphic Kolor to make a pastel base close to the Neon topcoat color (try mixing 50% BC-26 and 50% Neon). Do individual testing as some brilliance may be lost.

## 4. MIXING SHIMRIN® NEON (NE)

**Shake or stir Neon well. Reduce 50% (2 parts paint to 1 part reducer). Mix well. Some painters add SG-100 to the Neons for extra control. Maximum recommended addition of SG-100 is 25% by volume. Over-reduction adds control as well.**

**REDUCE ONLY WITH OUR KOSMIC REDUCERS.** Use the reducer best suited to your shop temperature. No booth - use the next fastest reducer. **See tech sheet for more information on reducers.**

**NOTE:** Some painters add small amounts (usually 1 to 2 %) of BC-26 to beginning coats to eliminate streaks and blotches. Also, the life of the Neons will improve by tinting the BC-26 base with one of our Neons or SHIMRIN® Graphic Kolors (use a color closest to the Neon color - 50% BC-26 to 50% Neon).

**NOTE:** Splitting or cracking is possible when using other companies' reducers or by using a reducer that is too slow for your shop conditions. Splitting or cracking may also occur when painting too fast without allowing proper dry time or by applying the base too wet and heavy.

**NOTE:** Neons may be intermixed for additional neon colors. Do individual testing.

# NE SHIMRIN® NEON

(continued)

## 5. APPLYING SHIMRIN® NEONS (NE)

Strain the paint into the paint gun. Air pressure 50-60 psi at the gun. 10 psi at nozzle of HVLP. Gun distance while spraying should be approximately 6 inches. Apply 2-4 medium to wet coats with 75% pattern overlap. Walk long objects. Allow flash time between coats. Neons will dry dull, as will all SHIMRIN's®. *Do not spray with a full trigger pull as this may cause blotching.*

**NOTE:** When using NE-502 Pink or NE-511 Rose, if color is sprayed on too heavy or applied with too many coats, it can start to turn orange. Bring color on more slowly when using these colors and restrict trigger pull or material sprayed.

**NOTE:** Too much Neon will diminish the base, thus changing the tone and brightness of the Neon. If the base is squelched from too many coats of Neon, add BC-26 to the Neon and recoat; then finish with pure reduced Neon. This is particularly prone to happen with NE-502 Pink and NE-511 Rose, but can occur with other Neons as well. Restrict material control on the gun, not the fan, work within 6-inch gun distance; pattern 4 to 5 inches with 75% pattern overlap. Apply 2 to 3 coats. Pay attention to the color building.

**NOTE:** 3 coats of Neon equals 1/2 to 3/4 mil, leaving a minimal edge. (Tape pulls away leaving a clean, low edge.)

## 6. DRY TIME

Allow dry time before Kandy or clear is applied (usually about 30 minutes and not longer than 12 hours). **DO NOT DRY NEONS OUTSIDE IN THE SUN!** The first 5 hours of sun are the most critical and care must be taken to prevent sun fade or discoloration at these early stages.

**NOTE:** Taping on Neons may discolor the Neon, and washing in sunlight may water spot or discolor the Neons.

## 7. ARTWORK & INTERCOAT CLEAR (optional)

SHIMRIN® Neons, with their low solids, are an excellent choice for artwork paint jobs. **DO NOT TAPE DIRECTLY ONTO THE NEON BASE COAT.** If artwork is planned, apply 1 or 2 medium coats of SG-100 Intercoat Clear (for urethane enamel topcoats) or C-1 Kustom Clear (for acrylic lacquer topcoats). The clear coat will protect the Neon Base from tape marks and allow clean up of mistakes. **See tech sheet for more information on SG-100 Intercoat Clear.**

## 8. PEARL OR KANDY COAT (optional)

The strength of the Neons may be enhanced by top coating with any of our Pearls or Kandys. Read and follow label instructions. Remember if you Kandy with acrylic lacquer, you must also clear with acrylic lacquer. (If you Kandy with urethane enamel, you must also clear with urethane enamel).

## 9. CLEAR COAT

**ALL NEONS MUST BE CLEAR-COATED** (with either urethane enamel or acrylic lacquer). Once a system is chosen, after the base coat, stay with that system. Use UC-1 Cosmic Klear, UFC-1 Flo-Klear, UFC-19 Cosmic Klear, UFC-35 Flo-Klear, or UC-35 Cosmic Klear for urethane enamel topcoats; and Kustom Kolor SC-1 Sunscreen Clear for acrylic lacquer topcoats. These clears contain extra sun filters for longer life of the Neons. **See tech sheets for more information on clear coat application.**

## ADDITIONAL INFORMATION

SHIMRIN® Designer Pearls, Neons, Graphic Kolors, BC & FBC Metallics may be intermixed (or added in small amounts) for hundreds of additional creative effects. The possibilities are endless. Create your own one-of-a-kind custom finish.

**FOR EXTENDED LIFE, COVER OR SHIELD THE NEONS FROM THE SUN WHENEVER POSSIBLE. AVOID CONSTANT DAY TO DAY SUN EXPOSURE.**

**Do individual testing, for there is no guarantee! Neons are made with dyes and will fade.**