

# 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 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.

# KF KAMELEON™ KOLORS

## GENERAL INFORMATION

Kameleon Kolor is a revolutionary new base coat that actually changes color depending on the angle from which it is viewed. Kameleon Kolor undergoes broad color changes, for example, from a medium green to a deep purple or from a bright gold to a luminous silver. The Kameleon Kolor base coat can appear to be different colors to people viewing the exact same area of the car from different angles. Rounded, curved surfaces and sharp angles will highlight the uniqueness of Kameleon Kolor. Kameleon Kolor base coats are as easy to apply as our SHIMRIN® Designer Pearl base coats. Application procedures can vary the appearance of the Kameleon Kolor base coats to give novel color effects. Kameleon Kolor base coats must be top coated with either urethane enamel or acrylic lacquer.

## 1. PREPARATION

Read "TECH PREP" thoroughly before you begin painting. KAMELEON™ KOLORS are very 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)
- KO-SEAL II
- BC-25

Use BC-25 for a ground coat as shown in the color card. The color of the ground coat will vary the amount of coats it will require to obtain the best results. We do not recommend using a white base coat since many coats will be necessary to achieve coverage. If BC-25 cannot be used, use PBC-100 or PBC-43.

## 3. MIXING KAMELEON™ KOLORS

**Stir Kameleon Kolor well. Reduce 50% (2 parts paint to 1 part reducer). Mix well.** REDUCE ONLY WITH OUR KOSMIC REDUCERS. Use the reducer best suited to your shop temperature. **See tech sheet for more information on reducers.** Kameleon Kolor is encapsulated metallic platelets, which are very easy to apply.

**NOTE:** Over reducing and/or diluting with SG-100 will give a darker, coarser appearance with a more subtle color change compared to normal reduction and application. This effect will diminish and approach normal color effect as more coats are applied. This allows for novel color effects.

## 4. APPLYING KAMELEON™ KOLORS

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 2-5 coats with 75% pattern overlap. Avoid dry spraying as loss of adhesion is possible with metallics. Allow flash time between coats.

**KAMELEON™ FLASH TEST - ALL BASES WILL DRY DULL AND SHOULD FEEL DRY TO THE TOUCH BEFORE THE NEXT COAT IS APPLIED.**

Allow dry time before clear or artwork is applied, usually 15-30 minutes and not longer than 2 hours.

**NOTE:** When blending, you may slightly over-reduce Kameleon or mix with SG-100 for undetectable blends.

**NOTE:** Do not sand Kameleon without re-basing as the scratches on the metallic platelets are permanent. Use SG-100 for protection if sanding is required.

# KF KAMELEON™ KOLORS

(continued)

## 5. ARTWORK & INTERCOAT CLEAR (optional)

KAMELEON™ KOLOR bases, with their low solids, are an excellent choice for artwork paint jobs. Do not tape directly onto this base. If artwork is planned, apply 1 or 2 medium coats of SG-100 Intercoat clear (for urethane enamel topcoats) or C-1 Kustom Klear (for acrylic lacquer topcoats). The clear coat will protect the Kameleon base from tape outs and allow clean up of mistakes. Sand with P1000 grit wet for improved adhesion. **See tech sheet for more information of SG-100 Intercoat clear.**

**NOTE:** Artwork colors applied over Kameleon Kolor bases can reduce or completely eliminate the color change effect. Always test any artwork planned on a test panel.

**NOTE:** SG-100 Intercoat Clear is designed to protect the base coats for artwork tape outs and blends only. **DO NOT USE SG-100 AS A BUILD-UP OR TOPCOAT CLEAR, AS IT IS NOT WEATHER RESISTANT OR DESIGNED TO EXCEED 4 COATS.**

**CAUTION:** Kameleon Kolors can be removed by final wash solvents. Use KC-20 Post Sanding Cleaner for cleanup.

## 6. CLEAR COAT

*ALL KAMELEON KOLORS 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 only House of Kolor® clears.*

**See tech sheets for more information on clear coat application.**