

# KPF KAMELEON™ PEARLS

## GENERAL INFORMATION

Kameleon Pearls are our second line of changing color pigments in three new colors. They are supplied in dry form and may be added to SG-100 Intercoat Clear or any of our acrylic lacquer or urethane clears. Kameleon Pearls change color depending on the angle from which it is viewed. Kameleon Pearls can appear to be different colors to people viewing the same car from different angles. The color changing effects of Kameleon Pearls are just as dramatic as the Kameleon Basecoats. They are an excellent choice for exciting, eye-catching artwork.

## 1. PREPARATION

Read "TECH PREP" thoroughly before you begin painting. Pearls 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. DO NOT USE RED OXIDE PRIMERS. **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 as a ground coat for the most dramatic color change effect. The color of the ground coat will vary the amount of coats it will require to obtain the best results. White or light color basecoats will require many coats to achieve coverage. If BC-25 cannot be used, use PBC-100 or PBC-43.

**NOTE:** On large surfaces use BC-03 or FBC-03 as a basecoat for more even coverage of Kameleon Pearls.

## 3. MIXING KAMELEON PEARLS

Add Kameleon Pearls to mixed clear (ready to spray) and apply over the base coat. Kameleon Pearls may be added to any of our Kustom or Kosmic Klears including SG-100 Intercoat Clear. Use SG-100 over Shimrin Universal Bases or KO-SEAL II only.

ADD 1 –1.5 TSP. OF KAMELEON PEARL PER MIXED PINT OF CLEAR.

**NOTE:** When applying pearl over a dark base, do not add too much pearl as mottling or streaking can occur. Kameleon Pearls may be intermixed to create custom colors. They can also be added to our Kameleon Basecoats for novel color effects. Kandy Koncentrates may be added to the Kameleon Pearls to change the color and color shift. Kandy Koncentrates can reduce or eliminate the color shift; use small amounts only.

**ALWAYS OVER REDUCE KAMELEON PEARL MIXES:**

KAMELEON™ PEARL - REDUCTION AMOUNTS	
Type of Clear	Reduction Amount
C-1 or SC-1 Kustom Clears	Additional 50-100%
UC-1or UC-35 Kosmic Clears	Additional 6 oz. per mixed quart
SG-100 Intercoat Clear	Additional 50%

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(continued)

## 4. APPLYING KAMELEON PEARL

Strain the paint into the paint gun. Air pressure 45 psi (for lacquer) and 50 psi (for urethane) at the gun; 10 psi at nozzle of HVLP. Apply 2-6 medium (almost wet) coats with 75% pattern overlap. Gun distance while spraying should be 6-8 inches. Walk long objects. Allow flash time between coats. Avoid dry spraying, as loss of adhesion is possible with pearls. Be sure that your spray equipment and environment are very clean and the spray pattern correct. An uneven spray paint gun will make proper application impossible. Apply enough coats to achieve the effect you desire. Then begin clear coats.

**NOTE:** When using SG-100, never apply more than 4 coats. Mix the pearls rich enough to complete the application in 3 or 4 coats.

**NOTE:** ANY KANDY OR ARTWORK APPLIED OVER KAMELEON PEARLS CAN REDUCE OR COMPLETELY ELIMINATE THE COLOR CHANGE EFFECT. ALWAYS TEST ANY ARTWORK OR KANDY PLANNED ON A TEST PANEL.

## 5. CLEAR COAT

*See appropriate tech sheet for Clear Coat application.*

### CAUTIONS

Read Cautions and Warnings on all product can labels. Use a recommended respirator when spraying. KEEP OUT OF REACH OF CHILDREN and do not apply to objects used by children.

# 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.