

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.

DP, DR, PP PEARL CONCENTRATES

KDP KOSMIC PEARLS

GENERAL INFORMATION

Our Pearl Concentrates are available in paste or dry form and may be added to any of our acrylic lacquers or urethane enamels. They may also be added to first coats of Kandys when shooting over solid color bases. Design your own one of a kind custom paint.

KOSMIC PEARLS MUST BE VIEWED IN SUNLIGHT TO SEE MAXIMUM EFFECT.

Kosmic Pearls are our newest pearl line that features greatly increased reflectivity, brightness and sparkle. Kosmic Pearls high intensity makes them a great choice to use over white bases or solid colors for eye catching effects in sunlight. KDP 2001, 2002, 2005 and 2006 are great choices over white bases. KDP 2003 and 2004 are richly colored pearls that can be used as base coats for creating new Kandy colors. Use Kosmic Pearls to create your own custom colors.

IMPORTANT NOTE

Bleeding from underneath is the most common problem when painting with pearls. Follow instructions carefully and protect yourself against failure. Good preparation is important for a quality, long lasting paint job.

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
- Sealer

UNIFORM COVERAGE OF PRIMER OR SEALER IS REQUIRED BEFORE APPLICATION OF BASE COAT. Use House of Kolor KO-SEAL II. Use a sealer closest to the base color for faster coverage of base coats. **DO NOT USE RED OXIDE SEALER.** Follow label instructions. Allow flash time on sealer. **See tech sheet for more information on KO-SEAL II.**

NOTE: Sealers will not prevent bleeding unless the sealer is a bleeder sealer (specified on the label). *Remember, sealer is not a cure all for poor preparation.*

3. BASE COAT

Apply base coat. This step is where the creativity begins. White pearl will radiate whatever base color is used. For example: A white pearl over an orange base becomes orange pearl. Do your own experimenting - creativity begins at the base. **See appropriate tech sheets for base coat instructions.**

DP, DR, PP PEARL CONCENTRATES KDP KOSMIC PEARLS (continued)

4. MIXING PEARL CONCENTRATES

Add Pearl Concentrates to mixed clear (ready to spray) and apply over the base coat. Pearl Concentrates may be added to any of our Kustom or Kosmic Clears, including SG-100 Intercoat Clear. Use SG-100 over SHIMRIN® Universal Bases only. The color of your base will determine how much pearl to use. The following chart is a guide for proper mixing:

PEARL AMOUNT - PER MIXED QUART OF CLEAR		
Type of Pearl	For Dark Base	For Light Base
Dry Pearl	3/4 - 1 level tsp.	1 - 2 level tsp
Pearl Paste	1/4 - 1/2 tsp.	1/2 - 1 1/2 tsp.

The size of the object being painted will dictate the amount of pearl also. Larger objects require less pearl than small objects. On large objects, start low and add additional pearl slowly. Too much pearl will reduce the iridescent pearl effect due to overcrowding of the pearl platelets.

NOTE: When applying pearl over a dark base, do not add too much pearl concentrate as mottling or streaking can occur.

NOTE: Urethane enamel may take slightly more pearl than acrylic lacquer due to its high solids.

ALWAYS OVER REDUCE PEARL CONCENTRATES

See appropriate tech sheets for clear mixing instructions.

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

5. APPLYING PEARL CONCENTRATES

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.

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 Kandy or 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.

6. KANDY (optional)

See appropriate tech sheet for Kandy application.

7. CLEAR COAT

See appropriate tech sheet for Clear Coat application.

CAUTIONS

Read Cautions and Warnings on all product can labels. Our Pearl Paste is made with lead carbonate. Use a recommended respirator when spraying. KEEP OUT OF REACH OF CHILDREN and do not apply to objects used by children.

NOTE: Our Dry Pearls are lead free. So are the PBC Designer Pearls.