

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.

KS KO-SEAL II PRIMER SEALER

GENERAL INFORMATION

KO-SEAL II is a two component acrylic urethane primer sealer. KO-SEAL II has two series of products: one series meeting the VOC requirements for National Rule and one series meeting the VOC requirements for SCAQMD Rule 1151.

National Rule Compliant Products

VOC= 4.58 lbs./gal 550 g/l

KS-10 White Primer Sealer

KS-11 Black Primer Sealer

KS-12 Metallic Primer Sealer

SCAQMD Rule 1151 Compliant Products

VOC= 2.08 lbs./gal 250 g/l

KS-210 White Primer Sealer

KS-211 Black Primer Sealer

KS-212 Metallic Primer Sealer

NOTE: KO-SEAL II CAN NOT BE APPLIED OVER BARE METAL SURFACES OF ANY KIND. KO-SEAL II MUST BE APPLIED OVER SANDED AND CLEAN PRIMER **OR** PROPERLY PREPARED AND SANDED PREVIOUSLY PAINTED SURFACES FOR PROPER ADHESION.

NOTE: KO-SEAL II may be used as a base color for UK Kandy's. After KO-SEAL II has dried for one hour, topcoat with UK Kandy per UK Kandy tech sheet. KO-SEAL II may be tinted up to 5% by volume with any KK Kandy concentrate to achieve hundreds of different color combinations.

KO-SEAL II is a high quality sealer designed to:

- Act as a bond coat between primer and top coats.
- Act as a holdout agent to prevent topcoats from soaking into the primer and reducing gloss.
- Make the object to be painted an appropriate color for faster coverage of top coats.
- Can be applied over properly prepared and sanded previously painted surfaces for proper adhesion of topcoats.

KO-SEAL II can also be used as a fast drying and excellent sanding primer.

- Apply one coat of KP series primer over bare metal substrate, wait one hour and then apply 2 to 3 coats of KO-SEAL II to give faster sanding and re-coat times. **See tech sheets for proper application of KP primer.**
- Can be sanded after two hours dry at 21°C.

KO-SEAL II is a high quality acrylic urethane catalyzed primer sealer designed to be used with either our Kustom Kolor Acrylic Lacquer or Kosmic Kolor Urethane Enamel systems. KO-SEAL II is an excellent ground coat for base coat application. Choose the appropriate color for the base coat system and color that is going to be applied. KO-SEAL II black and white colors may be intermixed for various shades of gray.

See KO-SEAL II Color Reference Chart for proper color selection.

1. PREPARATION

Read "TECH PREP" thoroughly before you begin painting. Use only House of Kolor's KP Epoxy Primers over bare metal substrates or metal substrates with body work. Read and follow all label instructions. **See tech sheet for more information of KP Epoxy Primers.**

KS KO-SEAL II PRIMER SEALER (continued)

2. MIXING KO-SEAL II

FOR KS-10, KS-11, and KS-12

Mix (by volume) 4 parts KO-SEAL II to 1 part KU-150 Exempt Catalyst, to 1 part Kosmic Reducer to remain at 4.58 VOC. Use a reducer best suited to your shop conditions. **See tech sheet for more information on reducers.** Mix well and strain into gun. For primer application, omit or add only 10% (0.5 part) reducer for higher film build. Pot life 1 hour.

FOR KS-210, KS-211 and KS-212

Mix (by volume) 4 parts KO-SEAL II to 1 part KU-150 Exempt Catalyst, to 1 part RU-300 VOC Exempt Reducer, to remain at 2.08 VOC. Substituting RU-310, RU-311 or RU-312 will give a 3.5 VOC product. **See tech sheet for more information on reducers.** Mix well and strain into gun. For primer application, omit or add only 10% (0.5 part) reducer for higher film build. Pot life 1 hour.

3. APPLYING KO-SEAL II

Strain the paint into the paint gun. Air pressure 40-55 psi at the gun. 10 psi at the nozzle of HVLP. Gun distance while spraying should be approximately 6 to 8 inches. Apply 1 or 2 medium wet coats with 50% pattern overlap. Walk long objects. Be sure of thorough coverage. Allow flash time between coats. KO-SEAL II FLASH TEST - ALLOW TO FLASH DULL BETWEEN COATS. USUALLY 5 TO 10 MINUTES. If used as primer apply 2-3 coats.

4. DRYING

Allow to dry 1 hour but no longer than 24 hours before top coat application. (Dry time may vary with weather and shop conditions.)

NOTE: If excessive dry time has elapsed, wet sand and reseal surface for positive adhesion of topcoats. If used as a primer, can sand in 2 hours. Weather and shop conditions can vary sand time.

NOTE: P800-P1000 grit (wet) or gray scuff pad may be used to remove dirt particles that occur during application.