

KD2000

DIRECT TO METAL PRIMER

GENERAL INFORMATION

KD2000 Direct to Metal Primer was formulated with a hybrid of epoxy and acrylic polymers, which provide excellent adhesion, good corrosion resistance, productive dry times, and ease of sanding. These primers emit very low amounts of Volatile Organic Compounds (VOCs), Hazardous Air Polluting Solvents (HAPS), and contain no isocyanates.

KD2000 may be applied to properly cleaned and sanded aluminum, steel, galvanized steel, sand blasted steel, fiberglass and SMC. See Preparation for instructions.

1. PREPARATION

Read "Preparation" thoroughly before you begin painting.
Surface Preparation for KD2000

Wash surface with mild detergent and water.

Rinse and dry surface.

Wipe surface with KC-10 to remove wax, grease, rust, etc., and wipe dry with clean cloth before product dries.

Sand the substrate with 360 grit sandpaper or equivalent.

Clean surface with KC-20 and wipe dry with clean cloth before product dries.

Do not apply KD2000 over old paint or uncatalyzed primers. Apply KD2000 directly to the substrate only. KO-SEAL II may be applied over properly prepared, previously painted surfaces. See KO-SEAL II Tech Sheet for application information.

2. MIXING KD2000

KD2000 is a two-part system. Aggressively mix KD2000 base thoroughly before mixing the two parts together. KDA2000 is an unpigmented amber colored liquid.

Mix (by volume) 4 parts KD2000 to 1 part KDA2000 and reduce with 1 part reducer for sealing. Use RU-300 reducer for 2.1 VOC compliance or use other RU reducers for national rule compliance. When used as a filler, lower amounts of reducer are required.

Stir mixed components well to ensure a thorough cure, use a paint shaker for best results. No incubation time is needed. Pot life is 2-3 hours at 70°F. Shop conditions can vary pot life.

3. APPLYING KD2000

Strain mixed paint into gun. With a conventional production gun use approximately 40-50 psi with a 1.8 to 2.0 mm tip size. With a HVLP gun use approximately 10 psi at the cap with a 1.8 to 2.0 mm tip size.

Apply one to three medium wet coats. Allow to dry 10-20 minutes between coats.

4. DRYING

Allow to dry 1 hour but not longer than 24 hours before topcoat application. Apply KO-SEAL II and finish coats.

Allow 60-90 minutes at 77°F before sanding. Sanding time can vary due to number of coats and thickness of coats applied.

NOTE: If excessive dry time has elapsed (more than 24 hours) wet sand surface for positive adhesion of topcoats.

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.