



GENERAL INFORMATION

The first steps in any project are important to the overall success. The primer or foundation of your House of Kolor paint project is this first step. Our products are engineered to work as a complete system. The solvent and resin systems in House of Kolor are dramatically different from regular aftermarket automotive finishes.

House of Kolor is designed to apply numerous coats or layers to achieve a dramatic finish that "Looks a Mile Deep". It is critical not to mix other manufacturer's products in your House of Kolor paint project. The KD3000 Series is a hybrid epoxy, two component primer system, designed to be used as Direct to Substrate (DTS) High Build Surfacer, Medium Build Surfacer/Higher build sealer or silky smooth Sealer. Available in 6 colors, this primer series can be intermixed to produce a wide range of colors. The KD3000 Series is an industry first and undisputedly the best foundation system available, with excellent adhesion, corrosion resistance, productive dry times, and ease of sanding. These DTS surfacers/sealers emit very low amounts of Volatile Organic Compounds (VOCs), Hazardous Air Polluting Solvents (HAPS), and contain no isocyanates. The KD3000 Series DTS Surfacers/Sealers may be applied to the existing OEM finish, bare steel, aluminum, fiberglass, galvanized surfaces, and various plastics. Its tenacious adhesion, hi-build capabilities, excellent durability, corrosion resistance, and ease of sanding make it a superior choice for a long lasting custom paint job.

IMPORTANT NOTES

- DO NOT USE ANY ACID BASED PRODUCTS SUCH AS SELF-ETCHING PRIMERS, ETC. UNDER THE KD3000 SERIES DTS SURFACERS/SEALERS. THIS MAY AFFECT ADHESION.
- IF YOU FIND IT NECESSARY TO USE A METAL CONDITIONER TO REMOVE RUST, ETC., BE SURE TO THOROUGHLY CLEAN AND NEUTRALIZE THE TREATED AREA FOLLOWING THE CONDITIONER MANUFACTURERS RECOMMENDATIONS. THEN USE OUR KC20 POST SANDING CLEANER WITH A MAROON SCUFF PAD TO INSURE ALL ACID RESIDUE HAS BEEN REMOVED BEFORE PRIMING IF NOT, THIS MAY AFFECT ADHESION.
- IN CUSTOM PAINTING, IT IS NOT UNCOMMON TO EXPERIENCE POLYESTER STAINING FROM BODY FILLERS, GLAZING PUTTIES, AND FIBERGLASS RESINS. THE KD3000 SERIES DTS SURFACERS/SEALERS ARE DESIGNED TO PREVENT THIS STAINING PROBLEM AS LONG AS THE FILLERS/PUTTIES ARE MIXED AND APPLIED PROPERLY, AND THE AFTER SANDING FILM BUILD REMAINS AT LEAST 2 MILS.



SUBSTRATE

Properly Prepared:

- Original finish
- Ferrous and non-ferrous metals
- Fiberglass and composites
- Plastics (Pre-test adhesion and compatibility)
- Body Fillers



SANDING THE SUBSTRATE

Bare metal

- Minimum 80P grit DA sandpaper

Body fillers

- Minimum 80P

OEM Finish

- 320P dry or 500 wet



COMPONENTS

- | | |
|--------------|--|
| • KD3000 | DTS Surfacer/Sealer Gray |
| • KD3001 | DTS Surfacer/Sealer Black |
| • KD3002 | DTS Surfacer/Sealer White |
| • KD3003 | DTS Surfacer/Sealer Yellow |
| • KD3004 | DTS Surfacer/Sealer Red |
| • KD3005 | DTS Surfacer/Sealer Blue |
| • KDA3000 | DTS Hardener |
| • RU310 | Fast Reducer 65°F to 75°F |
| • RU311 | Medium Reducer 75°F to 85°F |
| • RU312 | Slow Reducer 85°F to 95°F |
| • RU313 | Very Slow Reducer 95°F to 100+°F |
| • RU300 | LV Cool Weather Reducer 70°F to 85°F |
| • RU301 | LV Warm Weather Reducer 85°F to 100+°F |
| • HOK1052015 | Color Check Panel |

Note: HOK1052015 Color Check Panel is a must have color tool. This innovative spray-out panel consists of 62 KD3000 Series DTS color variations. Color styling has never been faster. Simply apply basecoats over the panel to achieve an instant library of colors and effects.



PREPARATION

The surface to be primed should be free of wax, grease, rust, etc. **IMPORTANT:** Clean with KC10 prior to sanding. Do not apply KD3000 Series DTS Surfacer/Sealers over uncatalyzed primers. KD3000 Series DTS Surfacer/Sealers may be applied over properly prepared OEM factory primers and finishes, but for maximum adhesion and corrosion protection it is best to apply them directly to the properly prepared bare substrate.



MIXING RATIO

**For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC & National Rule) - (4:1 by volume)
High Build Surfacers**

- 4 parts KD3000 Series DTS Surfacers/Sealers
- 1 part KDA3000 DTS Hardener

**For 4.6 lb/gal (550 g/L) VOC Compliance (US National Rule) - (4:1:1 by volume)
Medium Build Surfacers / High Build Sealer**

- 4 parts KD3000 Series DTS Surfacers/Sealers
- 1 part KDA3000 DTS Hardener
- 1 part RU310 – 313 Reducers

**For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC) - (4:1:1 by volume)
Medium Build Surfacers / High Build Sealer**

- 4 parts KD3000 Series DTS Surfacers/Sealers
- 1 part KDA3000 DTS Hardener
- 1 part RU300 or RU301 Exempt Reducers

**For 4.6 lb/gal (550 g/L) VOC Compliance (US National Rule) - (4:1:2 by volume)
Sealer**

- 4 parts KD3000 Series DTS Surfacers/Sealers
- 1 part KDA3000 DTS Hardener
- 2 parts RU310 – 313 Reducers

**For 2.1 lb/gal (250 g/L) VOC Compliance (Low VOC) - (4:1:2 by volume)
Sealer**

- 4 parts KD3000 Series DTS Surfacers/Sealers
- 1 part KDA3000 DTS Hardener
- 2 parts RU300 or RU301 Exempt Reducers

Notes:

- Reducer selection should be based on the size of the area to be painted, air movement, and temperature. For example, start and run your spray booth prior to checking temperature. Then match the RU reducer for those conditions. KD3000 Series Kustom DTS Foundation Surfacers/Sealers is a catalyzed, two component system. Mix the KD3000 Series primers thoroughly before activating or reducing. Use a paint shaker for best results. Always measure, do not guess. Thoroughly stir your ready-to-spray mixture to insure optimal coatings performance. No induction (sweat in) time is required. Shop conditions can affect pot life.
- Do not exceed high build recommendations.



DRY TIME

Used as a High Build /Medium Build Surfacers

At 70°F, allow to cure approx. 90-120 minutes before sanding. If you exceed more than 3 coats, the cure time may be longer. For higher production you can bake the surfacer at 140°F for 30 minutes. Allow the surfacer to flash 15 minutes prior to baking with a 30 minute cool down prior to sanding. Overnight dry time is best.

Used as a Sealer

Sealers are designed to create a chemical bond between the surfacer and the base coat. Allow the sealer to dry 15-30 min. but not to exceed 4 hours prior to top coating. Thoroughly sand sealed surfaces with 500 to 600 wet sand paper if top coating window extends more than 4 hours.

Note: Flash and Dry Times will be longer in cool temperatures, slow air movement or when applied in heavier coats.



FINISH SANDING

Used as a High Build /Medium Build Surfacers

- Initial Block Sanding
- 100P to 150P grit dry sandpaper
- Finish Sanding
- Dry Sandpaper = 280P to 320P grit (CAMI grade = 240 to 280 grit)
- Wet Sandpaper = 400 to 500 grit (FEPA grade 600P to 800P grit)
- Tight Areas (door jams, etc.) = Maroon scuff pad

Notes:

- To prevent bleeding or discoloration of base coats caused by body fillers, at least 2 mils of primer must remain after sanding. (1 coat equals approximately 1 mil when sprayed with production equipment using 4:1 mixing ratio).
- If body filler is exposed. Re-prime with KD3000 to prevent staining.
- May dry sand KD3000 with 100 or 150 grit, then re-prime with 2 or 3 more coats of KD3000. KD3000 may also be wet sanded.
- REFER TO SANDING GRIT MANUFACTURER RECOMMENDATIONS.



APPLICATION

Used as a High Build/Medium Build Surfacers

Strain mixture. Apply 2 to 3 full wet coats with a 50% pattern overlap. Apply an additional 2 full wet coats over polyester fillers and spot and glazing putties. Allow flash time between coats (flashes dull approx. 10 to 15 minutes).



Used as a Sealer

Strain mixture. Apply 1 to 2 Medium Wet Coats with a 50% pattern overlap. Allow flash time between coats (flashes dull, approx. 5 to 15 minutes).



GUN SET UP

Refer to Spray Gun Manufacturer's settings.



CLEAN UP

Clean equipment thoroughly with lacquer thinner or urethane reducer (check local regulations).



TECHNICAL DATA

FOR USA (National Rule & Low VOC) / Canada

RTS Regulatory Data	4 : 1		4 : 1 : 1		4 : 1 : 1		4 : 1 : 2		4 : 1 : 2	
	No Reduction		RU310-313 Series Reducers		RU300 & 301 LV Series Reducers		RU310-313 Series Reducers		RU300 & 301 LV Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	1.3 Max.	158 Max.	3.2 Max.	380 Max.	1.1 Max.	133 Max.	3.4 Max.	407 Max.	0.95 Max.	115 Max.
Regulatory VOC (less water & exempt solvents)	2.1 Max.	250 Max.	4.6 Max.	550 Max.	2.1 Max.	250 Max.	4.6 Max.	550 Max.	2.1 Max.	250 Max.
Density	11 - 13	1320 - 1560	11 - 13	1320 - 1560	11 - 13	1320 - 1560	11 - 13	1320 - 1560	11 - 13	1320 - 1560
	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %
Total Solids Content	57 - 61	42 - 46	50 - 54	35 - 39	50 - 54	35 - 39	46 - 50	30 - 34	42 - 46	30 - 34
Total Volatile Content	39 - 43	54 - 58	46 - 50	61 - 65	46 - 50	61 - 65	50 - 54	66 - 70	54 - 58	66 - 70
Water	0	0	0	0	0	0	0	0	0	0
Exempt Compound Content	30 - 34	37 - 41	27 - 31	31 - 35	40 - 44	47 - 51	24 - 29	26 - 30	47 - 51	54 - 58
Category	Primer Surfacers / Sealers									

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.



TECHNICAL DATA CONTINUED

FOR REST-OF-WORLD

RTS Regulatory Data	4 : 1		4 : 1 : 1		4 : 1 : 2	
	No Reduction		RU310-313 Series Reducers		RU310-313 Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L	LBS/GAL	g/L
VOC	5.6 Max.	675 Max.	6.5 Max.	780 Max.	7.0 Max.	840 Max.
Density	11 - 13	1320 - 1560	11 - 13	1320 - 1560	11 - 13	1320 - 1560
	Weight %	Volume %	Weight %	Volume %	Weight %	Volume %
Total Solids Content	57 - 61	42 - 46	50 - 54	35 - 39	46 - 50	30 - 34
Total Volatile Content	39 - 43	54 - 58	46 - 50	61 - 65	50 - 54	66 - 70
Water	0	0	0	0	0	0
Category	Primer Surfacer / Sealer					

Note: ROW considered areas outside US/Canada.

HEALTH AND SAFETY

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

IMPORTANT: The contents of this package have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

If used as instructed, this product is designed to comply with VOC standards in low-VOC jurisdictions. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. 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.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.

WWW.HOUSEOFKOLOR.COM

valspar