

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
KS10 White Primer Sealer
KS11 Black Primer Sealer
KS12 Metallic Primer Sealer

SCAQMD Rule 1151 Compliant Products

VOC= 2.08 lbs./gal. 250 g/L
KS210 White Primer Sealer
KS211 Black Primer Sealer
KS212 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 ground coat color for our Shimrin® bases. After Ko-Seal® II has dried for one hour, topcoat with Shimrin® bases per the appropriate 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 OEM surfaces, KP-, or KD-Series House of Kolor® Primers for proper adhesion of topcoats.

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 (KS11 / KS211) black and (KS10 / KS210) white colors may be intermixed for various shades of gray, also KK Concentrates can be added to both (KS10 / KS210) white and (KS12 / KS212) silver for a closer match to the base coat or top coat color.

See Ko-Seal® II Color Reference Chart for proper color selection.

1. SUBSTRATE

- OEM finish
- KP & KD Epoxy Primers



2. PREPARATION

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



3. SANDING THE SUBSTRATE

- 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



4. COMPONENTS

- KS Ko-Seal® II
- KU150 Catalyst
- RU310 (fast), RU311 (medium), RU300 (exempt) urethane reducer



5. MIXING KO-SEAL® II

- 4 parts Ko-Seal® II
- 1 part KU150 Catalyst
- 1 part RU- reducer



FOR KS10, KS11, and KS12:

Mix (by volume) 4 parts Ko-Seal® II to 1 part KU150 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. Pot life 1 hour.

FOR KS210, KS211 and KS212:

Mix (by volume) 4 parts Ko-Seal® II to 1 part KU150 Exempt Catalyst, to 1 part RU300 VOC Exempt Reducer, to remain at 2.08 VOC. Substituting RU310, RU311 or RU312 will give a 3.5 VOC product. **See tech sheet for more information on reducers.** Mix well and strain into gun. Pot life 1 hour.

6. GUN SET UP

- Conventional Gun = 45 to 55 PSI
- HVL P Gun = 10 PSI at the cap
(Refer to spray gun manufacturer's recommendations)
- Needle/Nozzle = 1.3 to 1.5
(Depending on the size of object being painted)
- Trigger Pull = 50% to 75%
- Air Brush = Not Recommended



7. APPLYING KO-SEAL® II

Strain the sealer into the paint gun. Gun distance while spraying should be approximately 5 to 6 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.



8. DRY TIME

Allow to dry 1 hour but no longer than 2 hours. After 2 hours we recommend scuffing with a maroon scuff pad. **PLEASE REFER TO SANDING GRIT RECOMMENDATIONS.** (Dry time may vary with weather and shop conditions).

NOTE: If 4-6 hours dry time has elapsed, wet sand and reseal surface for positive adhesion of topcoats.



9. CLEAN UP

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



SEALER REFERENCE CHART

		RECOMMENDED SEALER		
BASECOAT SYSTEM	CODE	KS10 OR KS210 WHITE	KS11 OR KS211 BLACK	KS12 OR KS212 METALLIC
SHIMRIN® DESIGNER PEARLS	PBC30 THRU PBC68	•	•	
SHIMRIN® BLACK PEARLS	PBC100 THRU PBC107		•	
UNIVERSAL PEARLS	PC'S AND P'S	•	•	
SHIMRIN® GRAPHIC KOLORS	SG'S	•		
SHIMRIN® NEONS	NE'S	•		•
SHIMRIN® KANDY BASECOATS	KBC'S		•	•
SHIMRIN® GLAMOUR METALLICS	BC'S	•	•	•
SHIMRIN® FINE METALLICS	FBC'S	•	•	•
SHIMRIN® METALLIC BASES	MBC'S		•	•
SOLID COLORS	BC25 BLACK		•	
SOLID COLORS	BC26 WHITE	•		
SOLID COLORS	UB04 / UFB04 JET SET BLACK		•	
SOLID COLORS	UB05 / UFB05 BRITE WHITE	•		
SOLID COLORS	UFB06 KOSMOS RED	•		
KANDYS	UK'S AND KK'S			•
KAMELEON® KOLORS	KF'S		•	
MARBLIZER®	MB'S		•	
FLAKES	F'S / MF'S / UMFS		•	
KOSMIC LONG-GLO	KLGS	•		
DRY PEARLS	DR'S / DP'S	•	•	
ICE PEARLS	IP'S	•	•	•
KAMELEON® PEARLS	KPF'S		•	
KOSMIC PEARLS	KDP'S	•	•	
KAMELEON® OPALS	KOP'S	•		

NOTE: Sealers may be intermixed to create unique colors.

NOTE: Small amounts of KK Kandy Koncentrates can help tint the White and Metallic Silver Sealers to closely match the desired basecoat.