



GENERAL INFORMATION

Shimrin2® is the 2nd generation of the proven Shimrin® Basecoat technology introduced in 1982. Shimrin2® is the next generation of ground-breaking universal basecoats from House of Kolor. Through new polymers and innovative chemistry we are able to meet and exceed waterborne with a solvent based system designed for Kustom Painting. S2-00 Trans Nebulae is the beginning of all Shimrin2® effects, making it the heart of the Shimrin2® product system. This diverse component of the S2 FX Karrier Base Series is used to create straight effects without pigment, KBC Kandy basecoats, tri-stage coats and much more. Color styling is a breeze with S2 FX Karrier Bases S2-01 through S2-16. From classic favorites like Galaxy Gray, Solar Gold, and Planet Green, to new trend setting colors like Eclipse Orange, Solarflair Red, Lunar Yellow, and Mayan Magenta. These new FX Karrier bases combined with 40 different S2-FX Effect pacs will have your eyes popping with extreme clarity, Kandy-like micro grind of pigments, and full spectrum of color attributed to advanced manufacturing techniques, innovative chemistry and robust polymer engineering.

Shimrin2® Karrier basecoats remain a solvent base system and is VOC compliant coast to coast including California.

IMPORTANT NOTES

- All Shimrin2® base coats are semi-translucent. It is critical the vehicle or substrate is ground coated with one even color. An excellent ground coat is House of Kolor's SS01 Silver Sealer, KD3000 DTS Foundation Surfacer/Sealers, and S2-25/S2-26. The color of the ground coat will effect the appearance of the base coat.
- We recommend using a ground coat color that is closest to the Shimrin2® base coat color. This will reduce the number of coats of Shimrin2® basecoats required to achieve desired color or effect.
- HOK1052015 Color Check Panel. A must have color tool. This innovative spray-out panel consists of sixty-two KD3000 series color variations. Color styling has never been easier or faster. Simply apply basecoats over panel to achieve an instant library of colors and effects.



SUBSTRATE

- KD3000 Series DTS Foundation Surfacer / Sealer
- SS01 Silver Sealer
- KS, KD, KP Series Primers and Sealers
- All Shimrin® and Shimrin2® Base Coats
- Properly cured and prepared OEM Finishes



PREPARATION

Please be aware that Shimrin® / Shimrin2® bases, Kandy's and Klears can be susceptible to staining or bleeding from polyester body fillers, putties, fiberglass resins and some primers. To prevent staining, Please refer to the tech pages on KD3000 Series or KP Series Primers. It is important to maintain at least a 2 dry mil film thickness of KD3000 Series DTS Foundation Surfacer Sealer or, KP series over all fillers and putties.

GROUND COAT

- Sealer SS01 Silver Sealer or KD3000 series mixed and applied as a sealer

SHIMRIN2® BASE COATS ARE TRANSLUCENT AND THE VEHICLE MUST BE ONE EVEN COLOR BEFORE APPLICATION OF BASE COAT. We suggest using Sealers as a ground coat. Simply select a KD3000 formula close to the Shimrin2® base coat color you intend to use. This will reduce the number of coats of Shimrin2® base coats required to achieve desired color and effect. For the quickest and easiest approach to selecting ground coat, apply basecoat over KD3000 Color Check panel (part # HOK1052015) and select which formula best matches your desired color and effect.

NOTE: Sealer is not a cure-all for poor preparation and does not prevent discoloration or bleeding. The main purpose of the sealer is to increase adhesion of topcoats, to make the object one color (nearest to the base for faster coverage), and to improve color holdout.



COMPONENTS

Shimrin2 FX Karrier Bases	FX Metalume® Series	FX Kosamene® Series	FX Kosmatic Styling Pearl® Series	FX Metajuls® Series	FX Kameleon® Series	FX Kosmic Sparks® Series
S2-00 Trans Nebulae	S2-FX01 Super Fine-SFBC FX	S2-FX21 Brass Pearl FX	S2-FX31 KSP Strikn Gold FX	S2-FX41 MBC Prism FX	S2-FX51 KPF Green to Blue FX	S2-FX61 KDP Sno White FX
S2-01 Solar Gold	S2-FX02 Fine-FBC FX	S2-FX22 Sterling Silver Pearl FX	S2-FX32 KSP Red FX	S2-FX42 MBC Pale Gold FX	S2-FX52 KPF Gold to Green FX	S2-FX62 KDP Gold Rush FX
S2-02 Celestial White	S2-FX03 Medium-BC FX	S2-FX23 Russet Pearl FX	S2-FX33 KSP Violet FX	S2-FX43 MBC Red FX	S2-FX53 KPF Copper Red to Green FX	S2-FX63 KDP Blushing Red FX
S2-03 Galaxy Gray	S2-FX04 Course-CBC FX	S2-FX24 Copper Pearl FX	S2-FX34 KSP Blue FX	S2-FX44 MBC Blue FX	S2-FX54 KPF Sapphire FX	S2-FX64 KDP Copper Penny FX
S2-04 Stratto Blue	S2-FX05 Super Silver-SSBC FX	S2-FX25 Bronze Pearl FX	S2-FX35 KSP Green FX	S2-FX45 MBC Yellow FX	S2-FX55 KPF Aquarius FX	S2-FX65 KDP Summertime Green FX
S2-05 Lapis Blue			S2-FX36 KSP Turquoise FX	S2-FX46 MBC Green FX	S2-FX56 KPF Mayan Eruption FX	S2-FX66 KDP Ocean Blue FX
S2-06 Meteor Maroon			S2-FX37 KSP Magenta FX	S2-FX47 MBC Silver FX		S2-FX67 KDP Turquoise FX
S2-07 Gamma Gold			S2-FX38 KSP Indigo FX			
S2-08 Eclipse Orange			S2-FX39 KSP White FX			
S2-09 Planet Green						
S2-10 Pavo Purple						
S2-11 Mayan Magenta						
S2-12 Zenith Gold						
S2-13 Velocity Violet						
S2-14 Lunar Yellow						
S2-15 Solarflair Red						
S2-16 Re-Entry Red						

COMPONENTS (Continued)

- 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 to 100+°F



MIXING RATIO - STANDARD BASECOAT (Visit www.houseofkolor.com to view formulas and mixing tables)

National Rule 3:1:2 by volume

- 3 parts Shimrin2® FX Karrier Base
- 1 Part S2-FX Effect Pac
- 2 part RU Reducer (RU310, RU311, RU312, or RU313)

California Rule 3:1:2 by volume

- 3 parts Shimrin2® FX Karrier Base
- 1 Part S2-FX Effect Pac
- 2 part RU Reducer (RU300 or RU301)



Online
Kwik-Mix

MIXING RATIO - KUSTOM KREATOR BASECOAT

Create your own Kustom Kreator Kolors. All Shimrin2® components are intermixable. Combine multiple Karrier Bases, FX Effect Pacs, Kandy Koncentrates (KK), Flakes (F), Dry Pearls (DP), and more.

National Rule

- 2 parts Kustom Kreator Kolor
- 1 part RU Series Reducers (RU310, RU311, RU312, or RU313)

California Rule

- 2 parts Kustom Kreator Kolor
- 1 part RU Series Reducers (RU300 or RU301)

Your only limitation is your imagination with Shimrin2®. All FX Karrier Bases can be intermixed, reduced 2:1, and sprayed as Kolors without effects. If you wish to spray effects, simply use 3 parts S2-00 Trans Nebulae and 1 part S2-FX Effect. S2-00 Trans Nebulae should also be used as a Karrier for Flakes (F Series) and Dry Pearls (DP Series).



GUN SET UP

- HVLP 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%



APPLICATION

Apply 2 to 3 medium coats of Shimrin2® Base Coat with a 50% pattern overlap. Allow each coat to flash dull (Typically 5 to 15 minutes) between coats. If you intend to do artwork over the Shimrin2® base coat, we suggest you allow the base coat to flash 15 minutes then apply 2 medium coats of S2-SG100 Intercoat (see tech sheet on S2-SG100) to protect against tape tracking and overspray under the masking tape, etc.



DRY TIME

Allow to flash from 30 minutes up to 4 hours maximum prior to applying klear. House of Kolor USC01 Urethane Show Klear is recommended for maximum durability and protection of your custom paint project. House of Kolor Klears have 3 times the UV blocking capability of regular automotive clear. Do not Intermix other manufacturers' products with House of Kolor.



CLEAN UP

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




TECHNICAL DATA

	National Rule	California Rule
Coatings Category	Color Coating	Color Coating
Packaged Density	VARIES	VARIES
Packaged VOC	2.34 lbs./gal. (280 g/L) Max	2.34 lbs./gal. (280 g/L) Max
Actual VOC Ready to Spray	3.05 lbs./gal. (366 g/L) Max	0.89 lbs./gal. (107 g/L) Max
Regulatory VOC Ready to Spray less exempt solvents	5.69 lbs./gal. (683 g/L) Max	3.06 lbs./gal. (367 g/L) Max
Total HAPS (g HAPS/L) Packaged	0.23 lbs./gal. (27 g/L solid) Max	0.23 lbs./gal. (27 g/L solid) Max
HAPS Ready to Spray	12.58 lbs./gal. (1510 g/L solid) Max	0.5 lbs./gal. (60 g/L solid) Max
Total % Solids by Volume (Ready to Spray)	10 - 17	10 - 17
Wt % Volatiles (Ready to Spray)	71 - 78	71 - 78
Wt % Exempt Compounds (Ready to Spray)	40 - 55	66 - 86
Wt % Water (Ready to Spray)	0.0	0.0
Viscosity (Ready to Spray)		
#2 Signature Zahn @ 77°F	14 - 20 seconds	14 - 20 seconds
DIN 4 @ 77°F	14 - 20 seconds	14 - 20 seconds
Recommended Dry Film Build per Coat	0.2 - 0.5	0.2 - 0.5
Sq. Ft. Coverage/gal @ 1 mil	240 - 272 sq. ft./gal. @ 1 mil	240 - 272 sq. ft./gal. @ 1 mil

HEALTH AND SAFETY

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.

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