



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 innovative polymer chemistry we are able to meet and exceed waterborne with a solvent based system designed for Kustom Painting. S2-25 Jet Black and S2-26 Bright White are Shimrin2® universal basecoats that may be cleared for a final finish, or used as a foundation for Shimrin2® standard basecoats including Kandy Basecoats, and your own Kustom Kreations. The Jetest black and the brightest white are a must-have on every painter's bench.

Shimrin2® remains a solvent base system yet meets all VOC rules coast to coast including California.

IMPORTANT NOTES

- In Custom Painting, Sealers are not an option, they are a must. They have 3 functions:
 - 1) They greatly improve adhesion between the substrate and the base coat.
 - 2) They make the vehicle one color thereby reducing the number of coats of base, saving you money.
 - 3) They greatly improve color hold out and finish quality.



SUBSTRATE

- KD3000 Series DTS Foundation Surfacer Sealers
- KS, KD, KP Series Primers and Sealers
- All House of Kolor Shimrin® Universal Bases
- 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.



SANDING THE SUBSTRATE

For all substrates

- Dry Sanding: FIPA grade = 280P to 320P grit (CAMI grade = 240 to 280 grit)
- Wet Sanding: FIPA grade = 600P to 800P grit (CAMI grade = 400 to 500 grit)



NOTE: Typically sealers do not need to be sanded. Do not seal until you are ready to apply the paint. This is where your chemical bond begins.



COMPONENTS

- S2-25 Jet Black or S2-26 Bright White Shimrin2®
- 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
- Optional: S2 FX Effect Pacs



MIXING RATIO

National Rule Solid Color 2:1 by volume

- 2 parts Shimrin2® Solid Basecoat (S2-25 or S2-26)
- 1 part RU Reducer (RU310, RU311, RU312, or RU313)

California Rule 2:1 by volume

- 2 parts Shimrin2® Solid Basecoat (S2-25 or S2-26)
- 1 part RU Exempt Reducer (RU301 or RU302)

Optional - Mixing S2 Fx Effect Pacs with solid bases - 3:1:2 by volume

- 3 parts Shimrin2® Solid Basecoat (S2-25 or S2-26)
- 1 part S2-FX Effect Pac
- 2 parts RU Exempt Reducer (RU300 or RU301) or standard RU Reducers (RU310 - RU313)

NOTE: Airbrush Application - reduce to desired strength (for all mixing ratios)



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® (S2-25 or S2-26) 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 Jet Black or Bright White, we suggest you allow the base to flash 30 minutes then apply 2 coats of S2-SG100 Intercoat (see tech sheet on S2-SG100) to protect against tape tracking, etc.



DRY TIME

Allow to flash from 30 minutes up to a max. 4 hours before top coating with USCO1 Urethane Show Klear, or other Kosmic Klears (refer to the tech sheet specific to the Klear system you intend to use).



CLEAN UP

Clean equipment thoroughly with lacquer thinner 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.

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.