



### GENERAL INFORMATION

S2-SG100 Intercoat is an important tool for the custom painter. It is designed to be applied over a given base color, prior to taped art work or air brush art. This allows for easy removal of mis-tapes or air brush errors without damage to base color. We recommend KC20 as the only clean up solvent. The intercoat is also applied over art work to preserve blending and fogging of various colors before applying kandy or klear topcoats. S2-SG100 is a safety layer, allowing you to pause and continue your project later. S2-SG100 is not a build up klear or a top coat klear. Limit applied coats to 4, however, if used as a carrier for base coat kandy's. Used as a carrier for pearls or flakes when reduction from standard 2:1 goes to 1:1, more coats are acceptable. S2-SG100 is also used to reduce strength of base coats for blending colors or for checking touch ups before top coat klears are applied. Considered a must over Marlizer® before kandy or klear to guarantee adhesion. S2-SG100 Intercoat, as you can see, is an important workhorse for the painter!

S2-SG100 is coast to coast VOC compliant, including California.

**Important note:** Do not use S2-SG100 as a top coat klear! Do not exceed 4 coats, only 3-4 coats with sufficient flash between coats is all that is required to fill tape-out lines.



### SUBSTRATE

- All Shimrin® and Shimrin2® basecoats
- MB Marlizer® Series
- Properly cured top coat klears and OEM finishes (artwork only)



### PREPARATION

Prior to applying S2-SG100 Intercoat, it is advised to lightly tack surface with a fully open tack cloth, or perform minor cleanup with KC20 Post Sanding Cleaner.

**Important note:** 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.



### COMPONENTS

- S2-SG100 - Intercoat
- 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 COMPONENTS

- Dry Pearls (DP)
- Flake (F)
- Kandy Koncentrates (KK)

**Important note:** S2-00 Trans Nebulae FX Karrier Basecoat is highly recommended for use as a karrier base for Dry Pearls (DP), Flake (F). S2-00 contains special resins that greatly improve orientation and control.



### MIXING RATIO

#### National Rule 2:1 by volume

- 2 parts Shimrin2® S2-SG100 Intercoat
- 1 part RU Reducer (RU310, RU311, RU312, or RU313)

#### California Rule 2:1 by volume

- 2 parts Shimrin2® S2-SG100 Intercoat
- 1 part RU LV Reducer (RU300 or RU301)

**NOTE:** Airbrush Application - reduce to desired viscosity or strength of added effects (for all mixing ratios)

**Important note:** Maximum recommended over reduction is 1 part S2-SG100 to 1 part reducer. This ratio is used when Kandy Koncentrates (KK), Pearls (DP), and Flake (F) are mixed with S2-SG100.



### 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%
- Air Brush = Follow gun manufacturer's recommendations



### APPLICATION

Apply 1 to 2 medium coats of Shimrin2® S2-SG100 Intercoat with a 50% pattern overlap. Allow each coat to flash dull (Typically 5 to 15 minutes) between coats. Additional coats may be applied if build is required to fill tape-out lines. We suggest you allow the Intercoat to flash 30-60 minutes before doing tape outs, etc over the S2-SG100 product.



### FINISH SANDING

Typically, S2-SG100 does not require sanding or scuffing as long as it hasn't sat more than 4 hours prior to top coating. In the event it will have to sit beyond 4 hours such as when performing artwork, it should be sanded. The S2-SG100 can be sanded after 1 hour dry time. Recommended grit is 500 wet or dry. You can also use a gray scuff pad.



**DRY TIME**

Allow to flash from 30 minutes up to a max. 4 hours before top coating. After 4 hours, wet sand with 500 and re-spray S2-SG100.



**KLEAR COATING**

DO NOT USE S2-SG100 AS A TOPCOAT KLEAR. S2-SG100 must be top coated with USC01 Urethane Show Klear, or any House of Kolor Cosmic Klears.

**CLEAN UP**

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



**KUSTOM TECH TIPS**

**TOUCH UP & BLEND** - S2-SG100 Intercoat may also be used to blend Shimrin2® and Shimrin® Pearl and Metallic Base Coats. Apply 1 medium coat of S2-SG100 beyond the blend point. Metallics will not darken as they normally would at the blend. S2-SG100 may also be added directly to Shimrin2® and Shimrin® Bases for undetectable blends on touch ups.

**KANDYS** - For maximum durability we recommend the new Shimrin2® UKK01 Kandy Karrier with KK Kandy Koncentrates. S2-SG100 Intercoat may be used to make low solid Kandys by mixing any of our Kandy Koncentrates (KK) with S2-SG100. Excellent when multiple Kandy tape outs are required under urethane topcoats. Perfect for small parts or graphics when speed is a factor. Reduce S2-SG100 1:1 with RU series reducer then add Kandy Koncentrate until desired color and strength is achieved. **See tech sheet for more information on using Kandy Koncentrates.**

**PEARLS & FLAKE** - Although S2-SG100 may be used to make Pearls, we recommend the use of S2-00 Trans Nebulae FX Karrier Basecoat for this application. **When using S2-SG100, mix 1:1 with RU series reducer then begin to add dry pearls or Flake until desired concentration is achieved.** Do not add too much pearl or flake as clouding, mottling, streaking and bunching from too much pearl can occur. Pearl and Flake platelets must have room to sparkle. Overcrowding reduces their effect and increases the chance of mottling and streaking.

**TECHNICAL DATA**



	<b>National Rule</b>	<b>California Rule</b>
Coatings Category	Component	Component
Packaged Density	8.91 lbs./gal. (1069.2 g/L)	8.91 lbs./gal. (1069.2 g/L)
Packaged VOC	2.32 lbs./gal. (278 g/L)	2.32 lbs./gal. (278 g/L)
Actual VOC RTS	2.91 lbs./gal. (349.2 g/L)	0.75 lbs./gal. (90 g/L)
Regulatory VOC RTS less exempt solvents	5.55 lbs./gal. (666.11 g/L)	3.23 lbs./gal. (387 g/L)
Total HAPS (lb. HAPS/Solid Gal.) Packaged	0.015 lbs./gal. (1.8 g/L) solid	0.015 lbs./gal. (1.8 g/L) solid
(HAPS) Ready to Spray	10.17 lbs./gal. (1220 g/L) solid	0.25 lbs./gal. (30 g/L) solid
Total % Solids by volume (RTS)	13.31%	13.31%
Weight % Volatiles (RTS)	84.79%	86.54%
Weight % exempt compounds (RTS)	50.17%	81.60%
Weight % water (RTS)	0%	0%
<b>Viscosity (Ready To Spray)</b>		
#2 Signature Zahn @ 77°F	18.4 seconds	18.4 seconds
DIN 4 @ 77°F	17.2 seconds	17.2 seconds
Recommended Dry Film Build per Coat	0.5 mil	0.5 mil
Sq. Ft. Coverage/gal @ 1 mil	213.5 sq ft./gal @ 1 mil	213.5 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.