



GENERAL INFORMATION

S2-SG100 Intercoat is an important tool for the custom painter. It is designed to be applied over a base color, prior to taped art work. This allows for easy removal of mis-tapes or other 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 not a build up klear or a top coat klear. When used as a carrier for basecoat kandys, pearls or flakes, limit applied coats to 4. Considered a must over Marblizer® before kandy or klear to guarantee adhesion. S2-SG100 Intercoat, as you can see, is an important workhorse for the painter!

NOTES:

- 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.
- S2-00 Trans Nebulae FX Karrier Basecoat is highly recommended for use as a carrier base for Dry Pearls (DP), Flake (F).



SUBSTRATE

- All Shimrin2 basecoats
- Properly cured top coat klears and OEM finishes (artwork only)

NOTE: Please refer to individual product tech sheets for proper system applications



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
- RU315 – Retarder
- RU300 – LV Cool Weather Reducer 70°F to 85°F
- RU301 – LV Warm Weather Reducer 85 to 100+°F

Optional

- Dry Pearls
- Flake
- Kandy Koncentrates

MIXING RATIO

For 5.7 lb/gal (680 g/L) VOC Compliance (US National Rule) Standard Mixing

- 2 parts S2-SG100 Intercoat
- 1 part RU310, 311, 312, 313 RU Series Reducers

Optional: 90/10 blend of RU310-313 with RU315

KK / Pearl / Flake Mixing

- 2-4 ozs max. KK per sprayable quart
- See appropriate Pearl / Flake TDS for amounts per sprayable quart.

For 3.5 lb/gal (420 g/L) VOC Compliance (Low VOC) Standard Mixing

- 2 parts S2-SG100 Intercoat
- 1 part LV Exempt Series Reducers (RU300 or RU301)

KK / Pearl / Flake Mixing

- 2-4 ozs max. KK per sprayable quart
- See appropriate Pearl / Flake TDS for amounts per sprayable quart.



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.



GUN SET UP

Refer to Spray Gun Manufacturer's settings.

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.

• TOUCH UP & BLEND

S2-SG100 Intercoat may be used to blend Shimrin2® and Shimrin® Pearl and Metallic Base Coats. 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.

- Do not over wet the blend edge
- Do not "Flood" the surface, apply light coats

After applying the final coverage coat, begin to step out the blend. Take your final basecoat mix and combine 1:1 with S2-SG100 (edge mix), and apply light coats over the tapered edge until the edge "melts". If additional edge "melt" is required, step out blend once more by reducing the "edge mix" 1:1 with reducer (RU300 or 301 in Low VOC areas), and apply light coats until the edge "melts".

• PEARLS & FLAKE

When using S2-SG100, mix 2 : 1 with RU series reducer then refer to appropriate pearl or flake data sheet for amounts to add. 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.

• KANDYS

For MAXIMUM DURABILITY use S2-00 Trans Nebulae or 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 2 : 1 with RU310-313 Standard Series Reducers (RU300 or RU301 in Low VOC Areas), then add 2-4 ozs of KK per sprayable quart. See KK tech sheet for more information on using Kandy Koncentrates.

TECHNICAL DATA



FOR USA (National Rule & Low VOC) / Canada
Standard Mix

RTS Regulatory Data	2 : 1		2 : 1	
	RU310-313 Series Reducers		LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	3.3 Max.	395 Max.	1.05 Max.	126 Max.
Regulatory VOC (less water & exempt solvents)	5.7 Max.	680 Max.	3.5 Max.	420 Max.
Density	8 - 10	960 - 1200	8 - 10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	16 - 21	14 - 19	14 - 19	14 - 19
Total Volatile Content	79 - 84	81 - 86	81 - 86	81 - 86
Water	0	0	0	0
Exempt Compound Content	42 - 48	42 - 48	70 - 75	70 - 75
Category	Two Stage Topcoat / Color Coating			

Note: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations. Calculations include optional adds mentioned above.

TECHNICAL DATA



Optional Touch Up & Blend Mix

RTS Regulatory Data	(1 : 1) : 1 (RTS Basecoat Mix : S2-SG100) : Reducer			
	RU310-313 Series Reducers		RU300-301 LV Exempt Series Reducers	
	LBS/GAL	g/L	LBS/GAL	g/L
Actual VOC	4.7 Max.	569 Max.	0.5 Max.	65 Max.
Regulatory VOC (less water & exempt solvents)	6.6 Max.	790 Max.	3.5 Max.	420 Max.
Density	8 - 10	960 - 1200	8 - 10	960 - 1200
	Weight %	Volume %	Weight %	Volume %
Total Solid Content	9 - 15	7 - 12	8 - 14	8 - 14
Total Volatile Content	85 - 91	88 - 93	86 - 92	86 - 92
Water	0	0	0	0
Exempt Compound Content	30 - 35	28 - 33	85 - 90	85 - 90
Category	Two Stage Topcoat / Color Coating			

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

**FOR REST-OF-WORLD
Standard Mix**

RTS Regulatory Data	2 : 1	
	RU310 - 313 Series Reducers	
	LBS/GAL	g/L
VOC	8.4 Max.	1010 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	16 - 21	14 - 19
Total Volatile Content	79 - 84	81 - 86
Water	0	0
Category	Two Stage Topcoat / Color Coating	

Note: Rest-of-World considered areas outside US/Canada.

Optional Touch Up & Blend Mix

RTS Regulatory Data	(1 : 1) : 1 (RTS Basecoat Mix : S2-SG100) : Reducer	
	RU310 - 313 Series Reducers	
	LBS/GAL	g/L
VOC	9.1 Max.	1092 Max.
Density	8 - 10	960 - 1200
	Weight %	Volume %
Total Solid Content	9 - 15	7 - 12
Total Volatile Content	85 - 91	88 - 93
Water	0	0
Category	Two Stage Topcoat / Color Coating	

Note: Rest-of-World considered areas outside US/Canada.



SHIMRIN2 S2-SG100 INTERCOAT

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.

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

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