



GENERAL INFORMATION

Shimrin® Neons (NE) are universal base coats must be cleared for a final finish. Due to their unique chemistry make-up, they may be top coated with either acrylic lacquer or urethane enamel. Once a system is chosen (acrylic lacquer or urethane enamel) use only products within that system. For example: If Neon is top coated with an acrylic lacquer Kandy, it must also be cleared with an acrylic lacquer clear.

IMPORTANT NOTE: USE WITH DISCRETION! Neons have limited colorfastness in the sun. Neons are not recommended for overall refinishing or where long life is a requirement. Neons are designed for high visual impact on race cars, boats, cycles, etc., where colorfastness is not the priority, but eye-grabbing brightness is.



1. SUBSTRATE

- KS10, KS210 White Ko-Seal® II
- BC26 White Base
- SG100 Intercoat Clear (artwork only)



2. PREPARATION

Read 'TECH PREP' thoroughly before you begin painting. Shimrin® Neons are susceptible to staining or bleeding from plastic fillers, putties, fiberglass resins and some primers. To prevent staining, strip bare (or to OEM primer) and prime with our KP2CF Chromate Free Kwikure Epoxy Primer or our KD2000 Direct To Metal Epoxy Primer. **See tech sheets for more information on KP & KD Primers.**



3. GROUND COAT

- KS10, KS210 White Ko-Seal® II
- BC26 White Base

UNIFORM COVERAGE OF SEALER IS REQUIRED BEFORE APPLICATION OF BASE COAT. We recommend using Ko-Seal® II KS10 or KS210 White under the Neons. Follow label instructions. Allow flash time on sealer. **See tech sheets for more information on Ko-Seal® II and primers.**

NOTE: Sealer is not a cure-all for poor preparation and does not prevent discoloration or bleeding.

4. WHITE BASE COAT BC26

Use our Kosmic Kolor® Shimrin® BC26 White, or Ko-Seal® II KS10 or KS210 as a base coat for all Neons. This will give the Neons maximum brightness. Apply 2-3 medium coats of BC26 or KS10 or KS210 with 50% pattern overlap. Allow flash time between coats. Maintain thorough coverage.

NOTE: An OEM white or jelcoat may also be sanded with 400-500 grit wet and used as a base for Neons. Do individual testing to be sure of compatibility.

NOTE: Do not apply over other companies' paint products. Lifting or splitting may occur when Neon is applied over other companies' bases. Neons need a white base for brightness, but other base colors can be used for special effects. Life of the Neons can be greatly increased by tinting the white base with a Neon or SG Graphic Kolor to make a pastel base close to the Neon topcoat color (try mixing 50% BC26 and 50% Neon). Do individual testing as some brilliance may be lost.



5. SANDING THE SUBSTRATE

- Ko-Seal® II (see tech page on Ko-Seal® II)
- SG100, Cured Top Coat Clears & OEM Finishes (artwork only)
- Dry Sandpaper = 280P to 320P grit (CAMI grade = 240 to 280 grit)
- Wet Sandpaper = 400 to 500 grit (FEPA grade 600P to 800P grit)
- Maroon scuff pad



6. COMPONENTS

- NE Shimrin® base coat
- RU310 (fast), RU311 (medium) urethane reducer,
- Air Brush application: RU311 (medium) RU312 (slow)



7. MIXING SHIMRIN® NEON (NE)

- 2 parts NE Shimrin® base coat
- 1 part RU- reducer
- Air Brush Application: 1 part Shimrin® base, 1 part RU-reducer



7. MIXING SHIMRIN® NEON (NE) (continued)

Shake or stir Neon well. Reduce 50% (2 parts paint to 1 part reducer). Mix well. Some painters add SG100 to the Neons for extra control. Maximum recommended addition of SG100 is 25% by volume. Over-reduction adds control as well.

REDUCE ONLY WITH OUR KOSMIC REDUCERS. Use the reducer best suited to your shop temperature. No booth - use the next fastest reducer. **See tech sheet for more information on reducers.**

NOTE: Some painters add small amounts (usually 1 to 2 %) of BC26 to beginning coats to eliminate streaks and blotches. Also, the life of the Neons will improve by tinting the BC26 base with one of our Neons or Shimrin® Graphic Kolors (use a color closest to the Neon color - 50% BC26 to 50% Neon).

NOTE: Splitting or cracking is possible when using other companies' reducers or by using a reducer that is too slow for your shop conditions.

NOTE: Neons may be intermixed for additional neon colors. Do individual testing.



8. GUN SET UP

- Conventional Gun = 45 to 55 PSI
- HVLP Gun = 10 PSI at the cap (Refer to spray gun manufacturer's recommendations)
- Needle/Nozzle = 1.0 to 1.3 (Depending on the size of object being painted)
- Trigger Pull = 50% to 75%
- Air Brush = Follow gun manufacturer's recommendations



9. APPLYING SHIMRIN® NEONS (NE)

Strain the paint into the paint gun. Gun distance while spraying should be approximately 6 inches or less. Apply 2-4 medium coats with 75% pattern overlap. Walk long objects. Allow flash time between coats. Neons will dry dull, as will all Shimrin®s. Do not spray with a full trigger pull as this may cause blotching. Leave fan wide. Spray close, helps prevent blotching.

NOTE: When using NE502 Pink or NE511 Rose, if color is sprayed on too heavy or applied with too many coats, it can start to turn orange. Bring color on more slowly when using these colors and restrict trigger pull or material sprayed.

NOTE: Too much Neon will diminish the base, thus changing the tone and brightness of the Neon. If the base is squelched from too many coats of Neon, add BC26 to the Neon and recoat; then finish with pure reduced Neon. This is particularly prone to happen with NE502 Pink and NE511 Rose, but can occur with other Neons as well. Restrict material control on the gun, not the fan, work within 6-inch gun distance; pattern 5 to 6 inches with 75% pattern overlap. Apply 2 to 3 coats. Pay attention to the color building.

NOTE: DO NOT APPLY HEAVY WET COATS OF NE BASES AND EXPECT THEM TO FLOW; THIS WILL TYPICALLY RESULT IN WRINKLING AND SPLITTING.

NOTE: 3 coats of Neon equals 1/2 to 3/4 mil, leaving a minimal edge. (Tape pulls away leaving a clean, low edge).



10. DRY TIME

Allow dry time before clear is applied (usually about 30 to 60 minutes and not longer than 4 hours). DO NOT DRY NEONS OUTSIDE IN THE SUN! The first 5 hours of sun are the most critical and care must be taken to prevent sun fade or discoloration at these early stages.

NOTE: Taping on Neons may discolor the Neon, and washing in sunlight may water spot or discolor the Neons.

NE SHIMRIN® NEON (continued)

11. ARTWORK & INTERCOAT CLEAR (optional)

Shimrin® Neons, with their low solids, are an excellent choice for artwork paint jobs. DO NOT TAPE DIRECTLY ONTO THE NEON BASE COAT. If artwork is planned, apply 1 or 2 medium coats of SG100 Intercoat Clear (for urethane enamel topcoats) or SC01 Sunscreen Clear (for acrylic lacquer topcoats). The clear coat will protect the Neon Base from tape marks and allow clean up of mistapes. **See tech sheet for more information on SG100 Intercoat Clear.**

12. PC, DP, DR PEARL COAT (optional)

The strength of the Neons may be enhanced by top coating with any of our Dry Pearls. Read and follow label instructions.

13. CLEAR COAT

ALL NEONS MUST BE CLEAR-COATED (with either urethane enamel or acrylic lacquer). Once a system is chosen, after the base coat, stay with that system. Use UC01 Kosmic Klear®, UFC01 Flo-Klear, UFC19 Kosmic Klear®, UFC35 Flo-Klear, or UC35 Kosmic Klear® for urethane enamel topcoats; and Kosmic Kolor® SC01 Sunscreen Clear for acrylic lacquer topcoats. These clears contain extra sun filters for longer life of the Neons and will give you considerable longer life than other company's products. **See tech sheets for more information on clear coat application.**

ADDITIONAL INFORMATION

Shimrin® Designer Pearls, Neons, Graphic Kolors, BC & FBC Metallics may be intermixed (or added in small amounts) for hundreds of additional creative effects. The possibilities are endless. Create your own one-of-a-kind custom finish. FOR EXTENDED LIFE, COVER OR SHIELD THE NEONS FROM THE SUN WHENEVER POSSIBLE. AVOID CONSTANT DAY TO DAY SUN EXPOSURE.

Do individual testing, for there is no guarantee! Neons are made with dyes and will fade in time based on sun exposure. House of Kolor® urethane clears contain 2 times more UV absorbers than standard clears. Thus reducing sun fade!

14. CLEAN UP

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



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