

USG100 INTERCOAT BARRIER CLEAR



GENERAL INFORMATION

USG100 Intercoat Barrier Clear is a two-component acrylic urethane base intercoat clear that was designed to offer protection if a light solvent wipe is required, when applied over House of Kolor® Shimrin® basecoats when used for artistic effects. With the application of 2 medium coats, the USG100 will typically cure in 3 to 4 hours (depending upon shop conditions), and is ready for sanding, tape outs, and the application of artwork and pinstripes. In the event there are errors made such as mis-tapes, or striping mishaps, a light solvent wipe using KC10 WAX AND GREASE REMOVER ONLY can be done to remove these mistakes without effecting the base coat or previous artwork under the USG100. The USG100 has demonstrated an ability to prevent bleed through with some of our kandy colors.

IMPORTANT NOTES

- **DO NOT USE USG100 AS A BUILDUP OR TOPCOAT CLEAR, THIS IS AN ACTIVATED BASE COAT MATERIAL!** USG100 is designed to protect base coats for artwork, pin striping and tape outs only.
- **DO NOT USE USG100 AS A CARRIER FOR PEARLS, FLAKES, OR KANDY KONCENTRATES.**
- **DO NOT USE RU REDUCER AS A SOLVENT WIPE. USE ONLY KC10 AS A WIPE DOWN AGENT, FOLLOWED WITH KC20 POST SANDING CLEANER AS A FINAL WIPE TO REMOVE ANY SOLVENT RESIDUE LEFT BY THE KC10. REMEMBER THE KEY WORD IS A LIGHT SOLVENT WIPE DOWN, DO NOT OVER WET THE SURFACE.**
- **ON OCCASION, YOU MAY EXPERIENCE IMPRINTING OF THE PIN STRIPE OR GRAPHIC. A LIGHT SCUFFING WITH A SCUFF PAD WILL REMOVE THESE.**
- **ALWAYS DO A TEST TO INSURE THE USG100 HAS PROPERLY CURED PRIOR TO DOING A SOLVENT WIPE DOWN WITH KC10 OVER THE ARTWORK.**



1. SUBSTRATE

- All Shimrin® Bases
 - Properly cured and prepared topcoat clears and OEM finishes (artwork only)
- NOTE:** USG100 should never be used directly over Marblizers. Only use SG100 first. USG100 can then be used over the SG100.



2. PREPARATION

Prior to applying USG100 Intercoat Barrier Clear, it is advised to wipe down the Shimrin® Base with a tack free cloth, or if needed, with KC20 Post Sanding Cleaner.



3. COMPONENTS

- USG100 Intercoat Barrier Clear
- RU310 (fast), RU311 (medium) urethane reducer
- Not recommended for Air Brush application



4. MIXING USG100 INTERCOAT BARRIER CLEAR

- 3 part USG100 Intercoat Barrier Clear
 - 1 part KU100 Catalyst
 - 1 part RU- reducer
 - Stir USG100 prior to use, as a separation of ingredients will occur.
 - Pot Life: 1 Hour
- NOTE:** Use as fast a reducer as your shop conditions will allow.



5. 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 = 1.3 to 1.5
(Depending on the size of object being painted)
- Trigger Pull = 50% to 75%



6. APPLYING USG100 INTERCOAT BARRIER CLEAR

Apply 2 medium coats of USG100 Intercoat Barrier Clear at a 50% pattern overlap. Gun distance should be 4" to 6" from object being sprayed. Allow 4 to 6 minutes between coats depending on shop conditions. Use the string test, the finish should feel tacky but not stringing to your finger. Do not allow the USG100 to go out of tack between coats as lifting may occur and ruin all your hard work. DO NOT DRY SPRAY USG100, this will cause possible lifting and the loss of integrity of the finish.

NOTE: Do not attempt to improve the flow out of USG100 by applying medium wet or full wet coats or applying more than 2 coats. This will greatly slow down the cure time and its ability to be sanded and taped over within the recommended 3 to 4 hour time period. REMEMBER, this is a catalyzed base coat material designed to be used as a barrier protectant of your base coats and artwork, not as a buildup or top coat clear. Flow out and build is not at issue at this stage of your paint job.



7. DRY TIME

Allow the USG100 to cure for 3 to 4 hours (depending on shop conditions) prior to sanding or applying artwork. USG100 can be force dried at 140 degrees for 20 minutes. All tests and evaluations are based at 70 degrees with adequate air movement.



8. SANDING

USG100 Intercoat Barrier Clear MUST be sanded prior to tape outs for artwork or pin striping.



- Dry Sanding – 320P to 400P Grit DA Paper
- Wet Sanding – 400 to 500 Grit paper
- Maroon Scuff Pad for small or difficult to reach areas.

IMPORTANT NOTE: Be very careful not to sand through and into the base coat underneath the USG100. This could lead to edge lifting when top coating the USG100 Intercoat Barrier Clear.



9. INTENDED USE AS A BARRIER AGAINST KANDY BLEED THROUGH

Some Kandy colors are known to be bleeders. Apply 2 coats of USG100 as outlined above. Wet sand the clear. If you notice any color in the sanding residue, you will need to reapply additional coats of USG100 until the sanding residue shows white.

10. CLEAR COAT

USG100 Intercoat Barrier Clear must be top coated with House of Kolor's Kosmic Kolor® UK Kandy, UCC01, UC35, UFC35, or UFC19 Clear Coats.



11. CLEAN UP

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