



GENERAL INFORMATION

Shimrin® MBC Metajuls™ Metallic Bases are our most brilliant metallic basecoats that feature exceptional sparkle and brightness. Metajuls™ are available in four unique colors and three flake particle sizes. Pale Gold, Platinum, and Black Diamond are excellent choices for Kandy finishes, while the Prism Effect produces an amazing rainbow effect (**Note: Prism Effect IS NOT recommended for use under Kandy finishes**). When used as a basecoat, MBC01 creates bright dazzling Kandy colors, while MBC03 can create dark rich Kandy colors. MBC02 is a medium color used to slightly darken Kandy colors. All three make Kandy's with exceptional sparkle in sunlight. They may also be used 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. Intermixing of these two systems, after the base coat, is not recommended. For example: If Shimrin® Base is top coated with an acrylic lacquer Kandy, it must also be cleared with an acrylic lacquer clear. When ordering MBC Metajuls™ Metallic Bases, please use the following codes to specify the particle size and color:

Code	Description	Code	Description
MBC01FF	Fine Pale Gold	MBC01CF	Coarse Pale Gold
MBC02FF	Fine Platinum	MBC02CF	Coarse Platinum
MBC03FF	Fine Black Diamond	MBC03CF	Coarse Black Diamond
MBC01	Standard Pale Gold	MBC04	Prism Effect (Note: NOT recommended for use under Kandy finishes)
MBC02	Standard Platinum		
MBC03	Standard Black Diamond		

NOTE: MBC Standard and Coarse particle sizes are not recommended for Air Brush use.



1. SUBSTRATE

- Ko-Seal® II
- All Shimrin® Bases
- SG100 Intercoat Clear (artwork only)
- Properly cured top coat clears and OEM finishes (artwork only)



2. PREPARATION

Read 'TECH PREP' thoroughly before you begin painting. Please be aware that Shimrin® bases can be 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

- Sealer (Ko-Seal® II)
- BC, FBC Shimrin® base coat

MBC's must have a proper Base to achieve their maximum effect. Our Ko-Seal® II's work extremely well as a base.

A: MBC01 Pale Gold will work over KS12 or KS212 Silver Sealer; however for the perfect base sealer: To 24 oz. of mixed KS12 add 1 oz. of KK14 Spanish Gold Koncentrate, also a mix of BC01 and BC02 will match the MBC01 for an excellent base.

B: MBC02 Platinum works over KS12 or KS212 but to closer match the Platinum, add some KS211 or KS11 Black Sealer. For a beautiful darker Kandy apply 3 coats of MBC02 over KS11 or BC25. Try this, apply KS12 or KS212, let dry one hour. Apply 1-2 coats SG100, let dry 30 minutes (or until dry). Then do art tapeouts, tune or blend over sealer base using 1-2 medium coats of BC25 Black or any contrasting base color. Now apply 3 coats of MBC02 over both base colors. Allow dry time, lightly wipe with a white or grey scuff pad, air and tack. Then apply the Kandy color of your choice; way kool!

C: MBC03 Black Diamond; simply apply 3 coats over KS11 or KS211 Black Sealer, or BC25 Black will work also. Many other darker base colors also add creativity; try BC10 Pavo Purple as a base under MBC03 and follow with Kandy or simply clear.

NOTE: Sealer is not a cure-all for poor preparation and does not prevent discoloration or bleeding. The main purpose of the sealer is to increase adhesion of topcoats, to make the object one color (nearest to the base for faster coverage), and to improve color holdout and gloss retention.



4. SANDING THE SUBSTRATE

- Refer to tech data sheet on Ko-Seal® II and SG100.



5. COMPONENTS

- MBC Metajuls™ base coat
- RU310 (fast), RU311 (medium) urethane reducer
- Air Brush application: RU311 (medium), RU312 (slow)



6. MIXING SHIMRIN® BASES (MBC METAJULS™)

- 2 parts MBC Metajuls™ base coat
- 1 part RU series reducer
- Air Brush application: 1 part MBC, 1 part RU-reducer

Stir Shimrin® Base well. Reduce 50% (2 parts paint to 1 part reducer). Mix well and reduce only with RU310 or RU311 reducer, based on booth temperature. **IMPORTANT NOTE: No catalyst is used in Shimrin® bases.** REDUCE ONLY WITH OUR KOSMIC REDUCERS. Use the reducer best suited to your shop temperature. **See tech sheet for more information on RU reducers. Note: For Air Brush application reduce 100% (1 part paint to 1 part RU311 reducer)**

When blending, you may slightly over-reduce Shimrin® Bases or mix them with SG100 Intercoat Clear for undetectable blends.

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



7. 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
 - Fine & Medium Metajuls™ = 1.3 to 1.5 (Depending on the size of object being painted)
 - Coarse Metajuls™ = 1.6 to 1.8 (Depending on the size of object being painted)
- Trigger Pull = 50% to 75%
- Air Brush: Follow gun manufacturer's recommendations



8. APPLYING SHIMRIN® BASES (MBC METAJULS™)

After reducing, strain the paint into the paint gun. Use a coarse strainer or none at all. Strainers are not used with larger flake. Gun distance while spraying should be approximately 4-6 inches, depending on gun used and gun adjustments. Apply 3 **MEDIUM** coats with 75% pattern overlap. Walk long objects. Avoid dry spraying, as loss of adhesion is possible. Again, **MEDIUM** coats work best. Allow flash time between coats.

SHIMRIN® FLASH TEST - ALL SHIMRIN® BASES WILL DRY DULL AND SHOULD FEEL DRY TO THE TOUCH BEFORE THE NEXT COAT IS APPLIED. Monitor closely for maximum merging of coats.

NOTE: DO NOT APPLY HEAVY WET COATS OF MBC BASES AND EXPECT THEM TO FLOW. They behave very much like lacquer, so apply medium coats only and avoid heavy build. Do not dry spray or lack of adhesion is possible. Apply medium coats, 75% pattern overlap. Flash dull between coats.

NOTE: Splitting and cracking may occur when painting too fast without allowing proper dry time or by spraying on the base too wet and heavy.

NOTE: 3 coats of Shimrin® MBC Bases equals 1/2 to 3/4 mil, leaving a minimal edge. (Tape pulls away leaving a clean, low edge.) Also true of Shimrin®s. This is the easiest flake to use ever.

9. DRY TIME

Allow dry time before Kandy or clear is applied (usually about 15 to 60 minutes and not longer than 4 hours). Topcoat within 4 hours or apply SG100 Intercoat Clear (see step 10).



SHIMRIN® FLASH TEST - ALL SHIMRIN® BASES WILL DRY DULL AND SHOULD FEEL DRY TO THE TOUCH BEFORE THE NEXT COAT IS APPLIED. Monitor closely for maximum merging of coats.

10. ARTWORK & INTERCOAT CLEAR (optional)

Shimrin® Bases, with their low solids, are an excellent choice for artwork paint jobs. DO NOT TAPE DIRECTLY ONTO THIS SHIMRIN® BASECOAT. If artwork is planned, allow to dry, lightly wipe with a white or grey scuff pad to knock down standing flakes while blowing with air (**Except MBC04 Prism Effect, where flake particles could be damaged**). 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 Shimrin® Base from tape marks and allow cleanup of mistakes. **NOTE: DO NOT SAND SHIMRIN® METALLIC BASES DIRECTLY. Apply SG100 Intercoat Clear for base coat protection if sanding is required. If you directly sand the Shimrin® metallic, you may put permanent scratches in the flake, a white or grey scuff pad will do no harm if wiped lightly. Wet or dry. NOTE: SG100 Intercoat Clear is designed to protect the base coats for artwork tape-outs and blends only. DO NOT USE SG100 AS A BUILD-UP OR TOPCOAT CLEAR, AS IT IS NOT WEATHER RESISTANT OR DESIGNED TO EXCEED 4 COATS. CAUTION: Shimrin® Base coats do not have any chemical resistance until cleared. Final wash solvents will remove base coats. Use KC20 Post Sanding Cleaner for cleanup. As always, avoid touching finish with bare skin which may transfer oil.**

11. KANDY COAT (optional)

Shimrin® MBC Metajul™ Bases may be Kanded with either acrylic lacquer or urethane enamel. Remember if you Kandy with acrylic lacquer, you must also clear with acrylic lacquer. (If you Kandy with urethane enamel, you must also clear with urethane enamel). See appropriate tech sheets for Kandy application.

This step produces awesome Kandy jobs. When viewed in the sunlight, the sparkle of these very unique metallics is outstanding.

For artwork, our Kandy Concentrates may be mixed with SG100 Intercoat Clear for Kandy graphics. See KK & SG100 tech sheets for more information.

12. CLEAR COAT

ALL SHIMRIN® MBC METAJUL™ BASES MUST BE CLEAR-COATED (with either urethane enamel or acrylic lacquer). Once a system is chosen, after the base coat, stay with that system. We recommend that you use House of Kolor® clears for best results. See appropriate tech sheets for more information on clear coat application.

ADDITIONAL INFORMATION

Shimrin® MBC Metajuls™ Bases may be intermixed for hundreds of color combinations. MBC Bases may also be mixed with other Shimrin®'s, including the Designer Pearls, Neons, Graphic Colors, and Kandy Concentrates. The possibilities are endless. Create your own one-of-a-kind custom finish.

13. CLEAN UP

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



NOTES