

MC00 KOSMIC KROME® MIRROR REFLECTIVE EFFECT BASE

The Cosmic Krome® Mirror Reflective Effect Base represents the application of revolutionary aluminum flake chemistry. Due to the unique nature of these pigments it is very easy to experience inconsistencies in the final appearance. The method of application is more technically challenging than conventional products and the preparation, substrate, and application process must be followed to the letter. The final result can be a beautiful and interesting finish that, when combined with other House of Kolor® products, will extend your creative palette for years to come.



WARNING:

- Substrates other than recommended will "absorb" the MC00 base and it will appear grey and inconsistent.
- The use of sanding with grits not recommended, as it will result in a different appearance.
- Any variation of the surface will be magnified and may ruin the project.
- Rough paper towels or solvent-based cleaners will ruin your project when using MC00.
- Do not use competitive clears, bases, or primers.
- Assure that your spray gun is functioning properly. It is critical that application be even.
- Open the tack cloth completely and air dry for at least an hour to reduce stickiness. A sticky residue transfer will ruin a project.
- Always do a test panel, with the complete system, to test your application, spray gun function, effect, and your art plans, BEFORE you spray your project.
- Plan your artwork to apply this product last. This will maximize the "metal" effect.
- Do not apply SG100 directly to MC00. When performing artwork over the MC00 first coat MC00 with the appropriate House of Kolor® Clear, allow the clear to dry, sand, and continue.
- The Cosmic Krome® Mirror Reflective Effect Base is intended for artwork only and may be difficult to apply evenly on larger areas.
- Do not "oversell" your customers. The Cosmic Krome® Mirror Reflective Effect Base, even when applied correctly, will not match the shine, hardness, and reflectivity, of an actual plated surface.

PART #	DESCRIPTION
MC00	MIRROR REFLECTIVE EFFECT

1. SUBSTRATE

In order for Cosmic Krome® Mirror Reflective Effect Base to show the maximum effect, the substrate must be a fully dry, very smooth, 2K Urethane surface. House of Kolor® Clear coats UC35, UFC35, UFC19, UC01, UFC01, and UCC01 are the only recommended surfaces for this product. The smoothness of the substrate will determine the appearance of the metal effect bases. Any scratch from sanding, wiping, or tacking will show through when MC00 is applied.



2. GROUND COAT

The actual color of the ground coat is not important; any color can work. The Cosmic Krome® Mirror Reflective Effect Base is commonly sprayed over black, however, for a "ghosted" metal look try different ground colors. This adds to the creative possibilities. The stability and smoothness of dry 2K Urethane is what is important. Prepare the 2K Urethane as illustrated below.



3. PREPARATION

To get the maximum reflective effect, we recommend the MC00 be applied directly to a surface that has been color sanded, polished, and cleaned with KC20 and a soft towel. This procedure is required for the complete visual effect of these products, however, ONLY in this situation do we recommend this process. It is known that this process will diminish the integrity of the system. However, if the effect this product offers with what is required for your art plan, there is no replacement for the visual possibilities of this system.



4. COMPONENTS

The Cosmic Krome® Mirror Reflective Effect Base is provided and ready to spray.



5. MIXING KOSMIC KROME® BASE (MC00)

The Cosmic Krome® Mirror Reflective Effect Base should be shaken gently for 5 minutes prior to use.



6. GUN SET UP

- HVLP Gun = 1.2 to 1.4 Fluid tip
- Gravity Feed Gun = 1.2 to 1.4 Fluid tip
- Mini Gravity Feed Gun = 0.8 to 1.0 Fluid tip
- Air Brush = 0.2 to 0.5 Fluid tip



Adjust any gun set up to achieve a fine spray, consistent fan, and be sure to spray within the distance that will provide the most even application. This is usually only 6-8 inches for a "Full" size gun and may be 4-6 inches for a "Mini" style gun. Always do a test panel, with the complete system, to test your application, spray gun function, effect, and your art plans, BEFORE you spray your project.

7. APPLYING KOSMIC KROME® BASE (MC00)

Apply as little Cosmic Krome® Mirror Reflective Effect Base as is needed to achieve the desired effect. An example set up would be 1.3 fluid tip open 10-15% with a medium to fast transverse speed. Usually this will be 1-2 thin coats. Over application, including a "wet" type coat, will result in a total loss of effect. The reflective qualities of MC00 will not become visible until flash dry has occurred.



8. KANDY COAT (optional)

The Cosmic Krome® Effect Bases may be Candied 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. For artwork, our Kandy Koncentrates may be mixed with SG100 Intercoat Clear for Kandy graphics. See KK & SG100 tech sheets for more information.



9. DRY TIME

Allow MC00 to dry for at least 12 hours at 70°F before applying House of Kolor® Clearcoats. Up to 24 hour is OK; however, be careful to keep the job clean as aggressive tacking, wiping, or handling can ruin the finish by scratching or smudging the MC00.



12. CLEAR COAT

When clearcoating the Cosmic Krome® Effect Base, special care must be taken to preserve the unique reflective qualities. Only use House of Kolor® clearcoats as they are designed for the performance requirements associated with custom painting. Apply UC35, UFC35, UCC01, UC01, UFC01, or UFC19 directly to the Cosmic Krome® color. Apply the first coat, with the appropriate catalyst/reducer combination, with a fine mist. Apply only enough clear to achieve flow in a thin flowing coat. Allow the clear coat to dry 12-24 hours. This is very important, as too wet a coat can cause a loss of effect. After 24 hours, lightly sand and re-clear.



Note: The excessive build of true Kandy paint work requires a very stable foundation. With the special process approved for the use of these "metal" finishes comes a compromise in total system performance. The House of Kolor® Urethane, or Kandy Koncentrate, Kandy colors will look great when applied over the Cosmic Krome® Mirror Reflective Effect Base; however, select the process and product sequence in an order that will minimize the amount of material that is applied over the Cosmic Krome® Mirror Reflective Effect Base.

Note: Do not apply SG100 directly to MC00. When performing artwork over the MC00, coat MC00 with the appropriate House of Kolor® Clear first. Allow the clear to dry, sand, and continue.

ADDITIONAL INFORMATION

- Substrates other than recommended will "absorb" the Kosmic Krome® Mirror Reflective Effect Base and it will appear grey and inconsistent.
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NOTES



13. CLEAN UP

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