

## GENERAL INFORMATION

The Kosmic 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 Kosmic 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 Kosmic Krome® Mirror Reflective Effect Base, even when applied correctly, will not match the shine, hardness, and reflectivity, of an actual plated surface.



## SUBSTRATE

In order for Kosmic Krome® Mirror Reflective Effect Base to show the maximum effect, the substrate must be a fully dry, very smooth, 2K Urethane surface. 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

## GROUND COAT

The actual color of the ground coat is not important; any color can work. The Kosmic 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.



## 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.



## COMPONENTS

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



## MIXING KOSMIC KROME® BASE (MC00)

The Kosmic Krome® Mirror Reflective Effect Base should be shaken gently for 5 minutes prior to use  
For 7.5 lb/gal (900 g/L) (US National Rule) - (Ready For Use)



## GUN SET UP

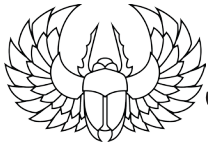
- HVLP Gun = 1.2 to 1.4 Fluid tip
- Gravity Feed Gun = 1.2 to 1.4 Fluid tip
- Mini Gravity Feed Gun = 0.8 to 1.0 Fluid tip
- Air Brush = 0.2 to 0.5 Fluid tip

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.



## APPLYING KOSMIC KROME® BASE (MC00)

Apply as little Kosmic 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.



HOUSE OF KOLOR  
**SHIMRIN2**

## MC00 KOSMIC KROME® MIRROR REFLECTIVE EFFECT BASE



### KANDY COAT (OPTIONAL)

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

### 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.

### CLEAR COAT

When clearcoating the Kosmic 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 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 first coat to flash thoroughly (perform the “string” test). This is very important, as too wet a coat can cause a loss of effect. Apply the second coat as you would normally.

**Note:** The excessive build of true Kandy paintwork 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 Kosmic 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 Kosmic 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.

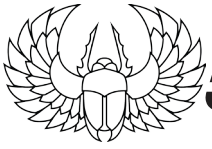
### ADDITIONAL INFORMATION

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### CLEAN UP

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



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**MC00 KOSMIC KROME®  
MIRROR REFLECTIVE EFFECT BASE**

**TECHNICAL DATA**

For USA (National Rule)

RTS Regulatory Data	MC00	
	Ready For Use	
	LBS/GAL	g/L
Actual VOC	6.15 Max	738 Max
Regulatory VOC (less water and exmpt solvents)	7.50 Max	900 Max
Density	7 - 9	840 - 1080
	Weight %	Volume %
Total Solid Content	0.1 - 1	0.1 - 1
Total Volatile Content	99 - 99.9	99 - 99.9
Water	0	0
Exempt Compound Content	18 - 22	18 - 22
<b>Viscosity (Ready to Spray)</b>		
#2 Signature Zahn @ 77 Desgrees	12 - 16 seconds	
DIN 4 @ 77 Degrees	NA	
Recommended dry film build per coat	Varies	
Sq Ft. Coverage/gal at 1 mil	Varies	
Category	Two-Stage Topcoat	

For Rest-Of-World

RTS Regulatory Data	MC00	
	Ready For Use	
	LBS/GAL	g/L
VOC	7.50 Max	900 Max
Density	7 - 9	840 - 1080
	Weight %	Volume %
Total Solid Content	0.1 - 1	0.1 - 1
Total Volatile Content	99 - 99.9	99 - 99.9
Water	0	0
Exempt Compound Content	18 - 22	18 - 22
<b>Viscosity (Ready to Spray)</b>		
#2 Signature Zahn @ 77 Desgrees	12 - 16 Seconds	
DIN 4 @ 77 Degrees	NA	
Recommended dry film build per coat	Varies	
Sq Ft. Coverage/gal at 1 mil	Varies	
Category	Two-Stage Topcoat	

If used as instructed, this product is designed to comply with the US National Volatile Organic Compound (VOC) Emission Standard for Automobile Refinish Coatings. 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.