



APPLICATION GUIDE

KILLER CHROME KILLER CAN

How to Apply (Application Steps)

Surface Preparation:

- 1 Always apply paints in a well-ventilated area, and wear a NIOSH approved respirator to avoid breathing any fumes.
- 2 Make sure you have good conditions for spraying. The best temperature for spraying this paint, is 75-80 degrees F, and VERY low humidity.
- 3 Prepare and prime your part first. Epoxy primers are best for bare metal, and primer surfacers are best for plastics, fiberglass, or wood. Some plastics may require an adhesion promoter but most plastics, like ABS plastic, are fine without adhesion promoters. Our tech support department can assist with what primer is best, if you are uncertain.
- 4 Before applying your primer, remove all dirt, grease, oil, salt, and chemical contaminants, by washing the surface with a commercial detergent, or other suitable cleaning method.
- 5 Rinse with fresh water and allow to completely dry.
- 6 Remove any existing loose paint, or rust, etc, with a wire brush or sand paper.
- 7 Lightly sand glossy surfaces to create a surface profile for adhesion.
- 8 Apply your primer to the surface according to the manufacturers specifications for your particular primer.
- 9 Let your primer cure according to the manufacturers specifications for your particular primer, and then lightly scuff that to create a surface profile for adhesion.

Killer Chrome Application:

Killer Chrome is a VERY technique driven application. It is sold as a kit, as it is very sensitive to clears. You should only use OUR clear coat with this material. Any good black urethane base coat should be fine.

This application can take a fair amount of practice to become proficient with. Patience is the KEY.

Test panels are strongly urged, in order to develop the correct "FEEL" for spraying the chrome material. A very light dusting technique will be needed, and is critical to the application. Over applying the Killer Chrome will result in a dull finish, similar to silver paint.

Application:

If applying over an **ALREADY PAINTED SURFACE**, lightly scuff the existing paint to create a surface for adhesion.

- 1 We are starting with the black base coat (KC-ASB-13)
- 2 Apply 2 coats of the black base coat to your prepared piece, with about 5-10 minutes flash time between coats.

Apply the 2 coats using a steady back and forth motion, about 6-10 inches from your substrate, until even coverage is achieved.

Once coated, let the black base coat flash for another 5-10 minutes, and then you are ready to clear coat the black base coat.

- 3 Apply your Mirraclear (KC-MCLR) clear coat over the black base coat, using steady even passes. Apply one medium wet coat first, and let that flash for about 5-10 minutes, and then apply a second wet coat.

At this point, you should have a **VERY** wet glossy reflective black surface. This is a very important starting place for the application. You should have as close to a black mirror as possible before proceeding, as seen here...



If you are not achieving a **VERY** highly glossy black surface, you will need to re-shoot this until you do.

Repeating steps 1 and 2 until a good gloss is achieved.

Then make sure the clear coat on your black base coat cures for a **FULL 24 HOURS**. That is also critical to the application. If the clear coat is not fully cured, this will also dull the finish. **DO NOT SAND OR BUFF THE MIRRACLEAR AFTER APPLYING OVER THE BLACK BASE COAT.**

It must be a **VERY** smooth finish, in order to maximize the reflectivity of the Killer Chrome (in the next step).

You are now ready to begin chroming your piece.

- 4 Apply the Killer Chrome (KC-KC101) to your clear coated black base coat, in a VERY LIGHT DUSTING FASHION, from about 8-10 inches away from the substrate... continuing to make passes over the surface, and VERY BRISK PASSES, until you achieve the effect.

Moving your hand too slowly when making your passes will result in a "Stacking" of the metal particles, and kill the shine when top coated.

Here is the same tank pictured above after applying the Killer Chrome.



If you are getting a flat metal, or flat aluminum look, then the product is almost certainly over applied.

It is very easy to apply too much of the material. This is not uncommon, and can take PRACTICE. Test panels are encouraged, in order to develop a good "feel" for this dusting application.

What you are spraying is a hyper-ground metal (near molecular scale!), and you MUST NOT let this material stack up in any way.

You are not going for a "Coat of Paint" like with a regular liquid pigment. It needs to be dusted on extremely lightly, and evenly. This will take SEVERAL PASSES. Keep your eye on the clear coated black as you are making your passes, and when you reach the point that it looks like the last TINY BIT of black has JUST winked out of sight, stop right there.

Let this dry for 30 minutes or so, and then you take the polishing cloth included in your kit, and slightly dampen that, and VERY GENTLY wipe down the piece. This will help remove any metal particles that are "stacked up" on the surface, but not really stuck to anything. The material is so finely ground (near molecular scale) that you can actually wind up with a fair amount of this material (depending on how heavily it was sprayed) on the surface, that is not stuck to the clear coat on the black. It is just sitting there like a "nano-dust". WHEN TOP COATED THESE LOOSE PARTICLES WILL FLOAT UP INTO THE TOP COAT, AND HURT THE REFLECTIVITY VERY BADLY.

Do not apply too much pressure when wiping the killer chrome down, or you may move the pigment that is STUCK to the clear coat, and that will spoil the finish.

You are now ready to top coat the Killer Chrome.

- 5 Apply one medium wet coat of the Mirraclear to the chromed piece, from about 6-8 inches away from the surface, in nice even steady passes. Do not over apply this, as it can dull the finish. One medium wet coat is all you need.

A very small loss (5% or less) of reflectivity is not uncommon when applying the top coat. If you are experiencing a SUBSTANTIAL LOSS of reflectivity when top coating, your Killer Chrome is almost certainly OVER APPLIED. This is the single most common issue when top coating.

As your technique improves for applying the Killer Chrome itself, this will become easier and easier to avoid.

The Mirraclear should dry to the touch in about 20 minutes and totally cured in 24 hours. You have now completed the application!

A few suggestions about Mirraclear:

Mirraclear is a 1 component clear coat, and while quite durable, it will not be as durable as a 2 component automotive grade clear coat. Do not clean the Mirraclear clear coat with any solvent based cleaners, or anything harsh, as that can also dull the finish. Hand polishing is recommended. No machine polishing.

If an automotive grade finish is required, then after applying the Mirraclear top coat, let that cure for a full 24 hours, and then you can apply any good automotive grade clear over that. No need to scuff the Mirraclear first.

If after reading through this application guide, you find you are still having trouble, and require more assistance, please do not hesitate to contact our technical support staff. They are available Monday through Thursday, 8am – 4pm, and Fridays, 8am – 12pm. You can reach us toll free at 1-800-999-4120