



Official Newsletter



KlassKote

May 2006 Issue:



TESTIMONIAL

Awesome Feedback!

"I contacted Klass Kote and found them very friendly and helpful... I couldn't wait to try it out! I am very pleased with the results using Klass Kote paint. The colors are vibrant and there are 26 to choose from. The ability to mix Klass Kote with old K&B Superpoxy products is the icing on the cake!"

George Leu, Writer
Model Airplane News

"Thanks for the prompt response and great product...I like Klass Kote for its ease of application and finish.... with a HLVP gun I am getting great results with your product. It seems hard to make any mistakes."

John M.
Windsor, Ont.

DISTRIBUTOR UPDATE

We Are Making Waves!

By Gordon Currie

Well, we figured it was time to get out a newsletter and share all that is happening in the world of Klass Kote Canada

In the fall of 2005, we started selling Klass Kote Epoxy Paint from our British Columbia based office and we haven't looked back. Sales have been brisk and we are very excited to bring this product (and many others) to Canada. Prior to the fall you could order from the US but customs headaches and brokering at the border made it tougher. With our Canadian warehouse, we can now ship direct to you without border worries.

In this newsletter, we want to address a couple of items and announce some news that affects everyone.

Our push in the spring/summer certainly will be to contact as many hobby shops as we can to get them to look at carrying our product. Over 60% of our customers have asked if they can buy Klass Kote at their local hobby store. We have always supported the stores and want to get the word out. So be sure and mention our product and feel free to give them our phone number and web site address (www.klasskote.ca)

One of the questions we get a lot is.. "Will Klass Kote work with K&B Superpoxy or HobbyPoxy?" The answer is yes! A lot of modelers are using our product mixed with old stock they had laying about. We do tell most folks to always test product first on a small section of your project.

We also get asked a lot if the product will work on boats, helicopters in addition to planes. Again the answer is YES! We recommend you visit our web site and download the product data sheets with valuable info on preparing your projects for Klass Kote.



Airbrushes & Accessories

We now carry a full line of Iwata Airbrushes including hoses, bottles, cleaners and lubes. We also stock compressors and pretty much any accessory you require. In stock we have the RG-3 spray gun as well. An excellent gun for clear and priming.



Shipping

How Will My Paint Arrive?

We currently ship our Klass Kote paint all over Canada using both Purolator and Greyhound Courier Express. Each box is professionally packed with extra effort made to protect the shipment and get it to the client as quick as possible.

Our pricing is based on the weight of the package as well as the location. Once your paint arrives, you are contacted for pickup. We keep track of all orders and make every effort to get orders out the same day they come in, 7 days a week.

How Much Paint Should I Buy?

Is There An Easy Way To Calculate What I Need?

Every color covers differently but in most cases a light tack coat followed by a heavier coat is all that is needed. Typically 1 quart reduced will cover 75-100 sq ft.

Most of our customers will order primer (white or grey) along with the primer catalyst, and then purchase the colors they require along with any clear coat. The catalysts available include a gloss catalyst and satin catalyst. If you wish to mix a semi-gloss finish, please contact us for the proper mixing ratio.

If you have questions about how much paint to purchase, call us and we will work through a rough estimate based on the size of

your project. Keep in mind that certain colors (namely Indigo blue and Yellow) will sometimes require an extra coat as the paint is not as opaque as others. Each paint has its own mixture of pigments.

Our paint comes in 1/2 pint cans, 1 pint cans and 1 quart cans. This month we will also have available 1/4 pint cans (4 fl. oz. for colours that are not as widely used in the larger quantities.



Did You Know?

We now carry the complete line of X-otic Colours Acrylic Urethane paints in 4 oz affordable bottles! Now you can spray some of the wildest pearls, metallics, flakes and more in unbelievable colours. And as a Canadian dealer, we have access to some great product and advice on custom finishing.

What Makes Klass Kote So Special?

Unique Features...

Our Klass Kote Epoxy Paint is special for a number of reasons. The paint is fuel proof (including nitro based fuels). Additionally, the finish provides a tough, durable and flexible protective finish that is chemically hardened. Our product is also easy to sand (many other paints on the market

clog up the sandpaper and are VERY HARD to sand. Our product comes in 25+ colors and we offer a white tint base for those mixing their own colors. Our primers are unique and come in white and grey.

Klass Kote is quick drying (tack free in 20 minutes, print free in 4 hours and ready for packaging in 24 hours. Call if you have questions or need assistance.

Inside Tips

By Gordon Currie

Here are a few tips from our FAQ that might assist you when using our paint:

Always mix the paint and catalyst together (before reducing) for about 30 mins to induce the initial reaction.

Try to shoot the paint when its 70 degrees F. (air and substrate materials)

Always mix Part A (paint) and Part B (catalyst) 1 to 1.

If you want to mix colours, we recommend you experiment with small samples and use our white tint base (developed for mixing).

Need help with Color Mixing? Dave Platt has an excellent video available to help you mix colors. Visit www.daveplattmodels.com

See You Next Month!

Contact Gordon Currie, Klass Kote Canada at : (250) 784-8383 or sales@klasskote.ca For more info visit: <http://www.klasskote.ca/>

Order TODAY!
Call 1-877-784-8383

Klass Kote Canada
CDN Distributor: Eldoren Design Inc.

Ph: (250) 784-8383 Fax: (250) 782-6698
Email: sales@klasskote.ca or visit www.klasskote.ca





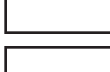
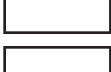
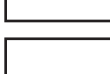


Mailing Address:

1512-113th Ave
Dawson Creek, BC Canada
V1G 2Z5

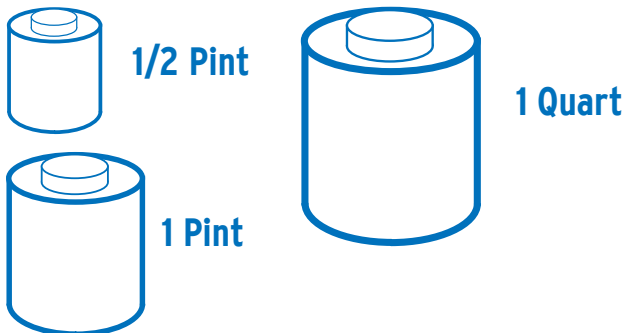
COLOURS

	Gloss Black		Cream		Turquoise
	Aluminum		Deep Brown		Deep Blue
	White		Deep Red		Indigo Blue
	Cement Gray		Bright Red		Olive Drab
	Battleship Gray		Buff		Light Green
	Fawn		Orange		Medium Green
	Yellow		Tile Red		Blue Green
	Warm Yellow (Irox)		Light Blue		Deep Green

Clear/Primer/Catalyst

	Satin Black		Gloss Catalyst
	Gray Primer		Satin Catalyst
	White Primer		Primer Catalyst
	White Tint Base		Reducer
	Primer Catalyst (White Fast)		

SIZES



Coming Soon: 1/4 Pint

SHIPPING

We SHIP via Greyhound and Purolator from BC. Orders go out prepaid and everything is well packaged.

Here are some rough weights:

- 4 1/2 pints = 3lbs
- 8 1/2 pints = 6 lbs
- 10 1/2 pints = 7.5 lbs
- 12 1/2 pints = 9 lbs
- 14 1/2 pints = 10 lbs
- 16 1/2 pints = 12 lbs
- 18 1/2 pints = 13.5 lbs
- 20 1/2 pints = 15 lbs

Please note: some colours weigh more than others based on pigment and chemical makeup.

CALL US TODAY FOR A QUOTE!

KLASS KOTE **Features & Benefits**

FEATURES

- Our epoxy paint is **Fuel Proof** (including nitromethane based fuels)
- **Quick air drying** - tack free in 20 minutes, print free in 4 hrs, pkg in 24 hrs
- An attractive, tough, durable, **protective finish**, chemical hardening
- **Easy to sand**, doesn't clog sandpaper like lower quality brands
- **Available in 25 colors** (and can be mixed to create hundreds more!)
- **2 Primers** (white and gray primer - comes with 2 choices of primer catalyst)
- **Easy to apply Clear coat** (creating a beautiful, protected finish)
- **Both Gloss Black and Satin Black** (a flat finish)
- **White Tint Base** available for mixing your own colors
- **Product has been tested with K&B SuperPoxy and HobbyPoxy brands**

BENEFITS

- 38 years of extensive field performance.
- Outlasts, out performs and outshines similar 2-component epoxy coatings
- Klass Kote epoxy finishes will last years.
- You have the ability to mix ANY colour for scale building, military colors etc.
- Klass Kote paint will give excellent coverage (opacity) keeping aircraft weight down - important on scale aircraft and those flying aerobatics
- Mix too much paint? Our paint can be placed in the fridge overnight (covered) and warmed up the next day for shooting.
- Klass Kote Canada is run by a fellow modeler who has supported hobby shops for years (BC Shaver Shop, Victoria Hobbies & Crafts, Hammer Hobbies and many other retail hobby businesses.

QUESTIONS?

Please don't hesitate to call if you have any questions. We provide a solid product and want to build our Canadian business on GREAT SERVICE and ensuring hobby shops in Canada continue to thrive. Feel free to call me personally at 250-784-8383 or email me at sales@klasskote.ca !

Respectfully, Gordon Currie

KLASS KOTE “Superior Quality” Epoxy Paint System

FREQUENTLY ASKED QUESTIONS

Updated April 20, 2006

1. What is KLASS KOTE Epoxy Paint?

KLASS KOTE is a protective, decorative, 2-part epoxy coating system. It can be used on a wide variety of substrates and in numerous environments, which require a highly protective and attractive coating.

2. Why use epoxy coatings?

Epoxy coatings are mainly used because of their outstanding chemical resistance, durability, low porosity and high bonding strength. KLASS KOTE epoxy coating will bond with almost all properly prepared surfaces. It will provide an attractive, long-lasting, chemically resistant, strong bonding, and a highly decorative film. See results from [Dave Platt's \(Mr. Scale\)](#) testing of KLASS KOTE on the [Test Results page](#).

3. What components are in epoxy?

KLASS KOTE epoxy coating consists of two distinct components. Side A Epoxy Resin and Side B Curing Agent. The two components are mixed in a 1-to-1 ratio. A chemical reaction occurs between the two parts generating heat and turning the mixture into an inert, hard film with the previously mentioned characteristics. After the two epoxy parts are combined there is a working time (pot-life) during which the epoxy can be applied or used. See Cure Schedule heading on the KLASS KOTE Data Sheets ([Color](#) or [Primers](#)). At the end of the pot-life the mixture becomes warm, and quickly begins to harden.

4. How long will KLASS KOTE Epoxy Paint last?

In most normal uses, KLASS KOTE will provide substrate protection for years without re-coating. In some circumstances, continued and prolonged, outside exposures to ultra-violet light may cause some degree of oxidation (chalking) and/or induce slight color fading. However, most normal periods of sunlight exposure will not affect the film. Even if chalking occurs, the product will retain its outstanding protective integrity for years.

5. What is the cure time for KLASS KOTE?

KLASS KOTE will harden to tack or dust free in 20 minutes to 1 hour. After 4 hours, the film will be thumb print free. After 24 hours, the painted surface/object will be ready to be placed into most normal situations (package able) but complete cure (sword hardness) will generally take several days. In most normal conditions, KLASS KOTE epoxy will be suitably hard within a 24 hour period. Refer to [Test Results page](#).

6. When can I apply subsequent coats of KLASS KOTE?

The best time to recoat epoxy is within 48 hours after the initial coat. Because epoxies take days to reach a full cure, a second coat applied shortly after the first will partially fuse to the first coat rather than forming a simple mechanical bond. You will also eliminate the need to sand between coats if you reapply within a short amount of time. Refer to the Data Sheets ([Color](#) or [Primers](#)) under the section Cure Schedule.

7. What is the mixing process for combining Part A with Part B?

Shake both parts vigorously for several minutes first. If the product has been sitting for a period of time, stir each part up from the bottom before shaking. Always mix the epoxies in one container then pour it into a second container and apply it from the second container. The reason is that mixing is never very good at the corners, edges and sides of the mixing container. If you apply the epoxy from the primary mixing pail you will certainly get some of the unmixed epoxy from the bottom of the container and that epoxy will not harden. Transferring the epoxy to a second container leaves the unmixed epoxy behind, or blends it into the well-mixed epoxy. Refer to the Data Sheets ([Color](#) or [Primers](#)) under the section Mixing Instructions for more instructions on mixing KLASS KOTE.

8. Can I use another thinner/reducer with KLASS KOTE products?

If KLASS KOTE Reducer is not available, use a HIGH GRADE lacquer thinner formulated to reduce epoxies. DO NOT OVER-REDUCE. See the KLASS KOTE Product Data Sheet for Epoxy Colors & Clear - Mixing Instructions. Remember that reducing will increase coverage but decrease opacity.

KLASS KOTE “*Superior Quality*” Epoxy Paint System **FREQUENTLY ASKED QUESTIONS**

9. How much product do I need to purchase?

Using conventional air atomizing spray equipment on a non-porous substrate, 1 quart of reduced KLASS KOTE will cover approximately 75-100 square feet. On more porous substrates, 1 quart will cover approximately 60 square feet.

10. Are there minimum and maximum temperature requirements for KLASS KOTE?

We do not recommend using (applying) the product on substrates below 50 degrees F or above 120 degrees F. (likewise for ambient temperatures). For optimum results, apply to substrates, and store the product between 50-80 degrees F. Humidity can slow curing processes down. For best results, use product below 70% humidity.

11. What type of surface preparation is required before I start painting?

The surface must be clean and free from dirt, dust, grease, rust, scale, or anything that will otherwise impede adhesion. Whenever possible, solvent wash project with KLASS KOTE Reducer before you start painting. Refer to the Data Sheets ([Color](#) or [Primers](#)) at the section regarding Surface Preparation for more instructions on surface preparation. **Warning: do NOT apply Klass Kote Epoxy Paint to styrofoam surfaces as the paint will attack the surface.**

12. What warranties are intended or implied?

The manufacturer warrants all materials to be free from defects and will replace any material proven to be defective when applied to our specifications - AT NO COST- within a period of one year from date of purchase. No other warranties are implied or intended.

13. What payment methods can I use?

Currently, we accept Visa, Certified Cheque, Bank Draft (Drawn on Canadian Bank) .No COD accepted. With few exceptions, nothing is shipped without pre-payment. No product leaves the shop without payment in full.

14. Do you have a color mixing instructional video available for purchase?

We are proud to announce Dave "Mr. Scale" Platt has produced an instructional video entitled Understanding and Using Epoxy Paints - "The Klass Kote Video" on how to mix your own colors (and much more) with KLASS KOTE Epoxy. This video is available now. For availability call Dave Platt Models at 321-724-2144 or visit his website <http://www.daveplattmodels.com/>

15. Why is a 30-40 minute "induction" or waiting period recommended after mixing KLASS KOTE components A & B, but before applying?

The waiting or induction period, is used to give the two components (Part-A Epoxy & Part-B Catalyst) time to "react" to each other, prior to bonding/reacting with the substrate. This will produce the best dried film after cure. We also recommend the induction period to help avoid "under mixing". For the best possible results, be sure to allow the two mixed components to induct for 30-40 minutes after mixing but before thinning and application.

16. Can I use KLASS KOTE components (epoxy, catalyst & reducer) with other epoxies?

Testing appears to indicate that KLASS KOTE and Hobbypoxy/K&B Superpoxy are freely interchangeable. That is to say, that any of the components of any of the three will work equally as well together as the "correct" brand.

Modelers who have a quantity of colors of Hobbypoxy or K&B but no catalysts or reducer for them, may possibly be able use up what they have by using Klass Kote catalyst and/or reducer.

However, we cannot recommend KLASS KOTE catalyst for use with K&B Ultrapoxy. When tested, Ultrapoxy would not cure properly and was never fuelproof, even when mixed with Superpoxy catalyst.

KLASS KOTE “*Superior Quality*” Epoxy Paint System **FREQUENTLY ASKED QUESTIONS**

Also please note, we can not guarantee the results obtained by mixing components of KLASS KOTE with any other brand of epoxy. For best results, we highly recommend that you use Klass Kote epoxy components exclusively.

17. How well does the Klass Kote epoxy paint cover?

Most Klass Kote Epoxy colors give excellent coverage (opacity) and will cover well with a very light tack coat and one wet coat. Certain colors (Yellow #160 and Indigo Blue #312) will require a few more coats to completely cover. When purchasing Klass Kote Epoxy Paint, we will assist you in determining what amount you may require (based on your estimates of area to be sprayed. You can estimate that 1 pint mixed (paint and catalyst) will cover about 30-35 sq ft.

18. What happens if I mix to much paint? Can I reuse it later?

Firstly, we recommend that you read our data sheets ([Color](#) and [Primer](#)) before you begin a project. Its important that you are aware of the curing instructions. If you mix too much product and need to "save" it for another day, you can cover it well and place in the refrigerator overnight to retard the curing process. Remember you must bring it back to room temperature before using.

19. Your pricing varies depending on the color? Is that a typo?

Pricing for paints and specific colors is tied to the pigments in each color. Bright Red (#206) and Indigo Blue (#312) require more expensive tints. The same with Warm Yellow (#162) although its not quite as bad.

If the cost of paint drops for us or there is a large swing in currency, then we will pass on the savings to the consumer.

20. Is it cheaper to buy the paint from yourself (CDN Distributor) or direct from the USA office?

In most cases, Canadians end up paying more shipping and higher duties if they bring it in themselves. We have arranged cheaper shipping and brokering. In the event that its still cheaper ordering from the USA for orders in the eastern Canadian provinces, we will find the best deal for the client. Each customers situation is unique. The US office will be directing sales to us from this point on.

21. I own a hobby shop. Do you sell wholesale?

Pricing for hobbyshops will be different. Best to call us and we will do what we can. We would like to support hobby shops and so if we can get the product in some stores, that would be awesome. Remember there are still alot of people who live some distance from hobby stores so we certainly can help them out.

22. Do you accept Credit Cards? Paypal?

Yes, we accept Visa, Mastercard, Amex and Paypal.



23. Who is Eldoren Design Inc? Or Eldoren Consulting?

Eldoren Consulting (or Eldoren Design Inc) is the company that is the Canadian Distributor of the Klass Kote Product. We live in Dawson Creek, BC and supply Canadian Residents with the product. All credit card orders are processed by Eldoren Consulting Inc. Your credit card statement will show charges by Eldoren Consulting Inc.

24. Do you sell paint fulltime?

Yes and No. We run a large web design / e-commerce company fulltime but sell Klass Kote when the clients need it. We are able to process orders 7 days a week, usually from 8am PST ill 9pm PST.

KLASS KOTE “*Superior Quality*” Epoxy Paint System FREQUENTLY ASKED QUESTIONS

25. So what projects do you have on the go?

In 2006 we will be completing our 23cc powered Scarab racing boat (off shore deep V). We are also planning on building a scale Vario Bell 205 UH-1D (Huey) painted in Klass Kote of course!

If you have any questions that we haven't listed on the website, please feel free to send us an e-mail at info@klasskote.ca with your questions and we will get back to you as soon as possible.

26. I have heard you can buy military colors of paint from your competitors for less price? So why would we buy from you?

There are companies selling military colors for aircraft but you need to consider the following:

- Some sell paint in 4 oz containers. It might appear cheaper, but you need to compare the quantity vs price.
- Our paint is a TRUE epoxy. That means its durable/hard and fuel proof to today's nitro based fuels. Many of our competitors paint is a waterbased urethane paint. And not 100% fuelproof!
- Our product is easily sanded - many of our competitors paints don't sand well.
- Our product bonds very well with almost any surface. Not all paint does that.
- Our product is endorsed by [Dave Platt](#), one of the most respected modelers in North America. [Check out the test results](#) from Dave. They speak volumes!

If you have any questions that we haven't listed on the website, please feel free to send us an e-mail at info@klasskote.ca with your questions and we will get back to you as soon as possible.



Painting with **Klass Kote**

THE NEXT-GENERATION TWO-PART EPOXY-FINISHING SYSTEM

BY GEORGE LEU > PHOTOS BY DERON NEBLETT & GEORGE LEU

MANY YEARS AGO, WHEN K&B SUPERPOXY and Pettit Hobbyepoxy paints were removed from the market by the EPA, many serious scale modelers cried out in dismay; I had used these paints on all my pattern planes and was very saddened when they disappeared! For years, modelers like me hoarded our remaining supplies (I amassed well over 200 cans of K&B Superpoxy and Hobbyepoxy epoxy paints and catalysts), and we constantly searched the back shelves of hobby shops to ferret out any remaining cans of it as though they were nuggets of gold. Those old, two-part epoxy-finishing materials were that good!

About a year ago, Diversified Solutions in Minneapolis, MN, introduced Klass Kote—a two-part epoxy paint that comes in a variety of colors, primers and clearcoats. Naturally, it got my attention; but when I heard that it could be used with the old K&B and Hobbyepoxy paints, I was very excited!

I contacted Klass Kote's Nate and Laura Dickerson and found them to be very friendly and helpful. We discussed their products in detail, and I learned a thing or two, such as to allow the mixed paint to sit for about 30 to 40 minutes prior to application and to mix the paints in one jar but not in the spray gun's paint container. I couldn't wait to try it out!



My test model was a Sig Mustang 450 pylon racer. It looks great, doesn't it?



To get a great paint job, you have to prepare the model; it must be blemish-free!



Crisp lines aren't a problem with Klass Kote. It's all in the preparation!

TEST MODEL

To test the new paint, I chose my Sig Mustang 450 pylon racer that was just ready for finishing. It was an especially good choice for this article because racers require a smooth, glossy finish. I had already primed the model with a lacquer base coat, but since Klass Kote works well on almost any substrate, I thought it would make a good test bed.

The thing to remember about any painted finish is that it will only be as good as the surface beneath it. You have to prepare the model by filling gaps, sanding out high spots and filling in low ones. No paint can hide these kinds of flaws; in fact, depending on the colors you use, flaws can actually become more noticeable!

PAINTING THE MODEL

The instructions recommend a mixing ratio of one part paint, one part catalyst and one part reducer. This produces a consistency similar to milk's, which works fine with my spray equipment. I used a standard automotive spray gun and an air compressor with a 5-gallon reserve pressure tank. I found that the paint works well with the gun pressure set at about 55psi.

I applied the white base coat by first spraying a couple of light-mist coats. I let them set for a few minutes, and then I sprayed on a slightly heavier final coat. The paint covered the gray primer beautifully, and the results were very impressive.

About an hour after I painted the plane, I moved it into my shop to let it dry for about a week. Even though the surfaces may seem tack-free in 20 minutes, you should wait an hour before you handle the parts; they won't become "fingerprint-free" for about four hours. The following week, I took the fuselage outside and into the sunlight. I almost went blind from its reflectivity; it looked outstanding!

I wet-sanded the areas to be trim-painted with 600-grit sandpaper and cleaned the model with an automotive surface-prep agent prior to applying the masking tape. I used vinyl tape and then covered the rest of the model with a good-quality paper masking tape and two layers of newspaper. I rolled the edges of the tape down firmly to prevent paint from bleeding under it.

Within a few minutes, I had applied the red trim, and I carefully removed the tape. I wasn't delicate in removing it, yet there was no indication that the tape had pulled up any of the base color. I give Klass Kote high ratings for bond strength over a lacquer base.

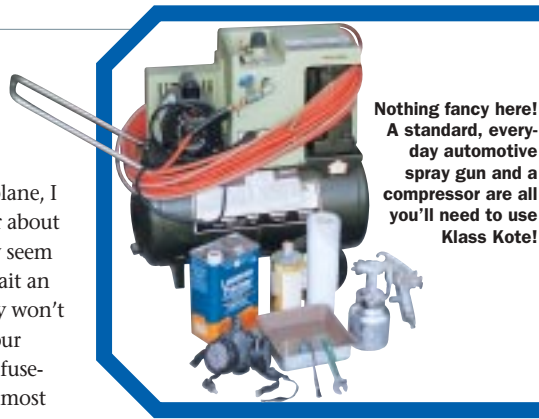
As a test, I mixed the red paint with about 25 percent more reducer than was called for. The extra reducer lessens the paint's opacity and caused it to run more than the properly mixed white paint. The bottom line is: follow the mixing instructions, and the paint works great!

PRODUCT COMPATIBILITY

After another week of cure time, I tested the paint's compatibility with my old epoxy paints. I added the blue trim, which was a mix of Klass Kote blue and Klass Kote catalyst with K&B thinner. The black trim was a combination of K&B black, K&B gloss catalyst and Klass Kote reducer. The results were excellent! The final addition of a glossy Klass Kote clearcoat made the colors stand out and gave the model a molded-of-glass appearance. Wow!

FINAL THOUGHTS

Klass Kote certainly has good interchangeability with K&B Superpoxy, but I found that it cleaned up much better when I used its own reducer. Lacquer thinner also works OK to keep the spray-gun parts clean. For sure results, however, it is always best to



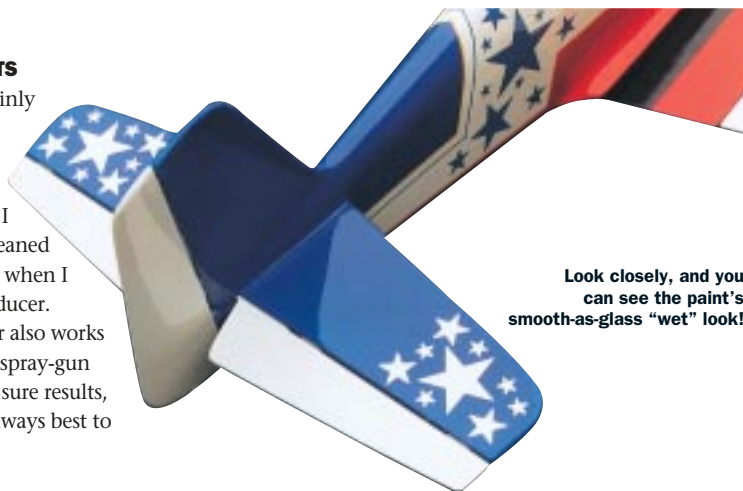
Nothing fancy here! A standard, everyday automotive spray gun and a compressor are all you'll need to use Klass Kote!

use all the Klass Kote products together.

Klass Kote has outstanding chemical resistance, durability, low porosity and high bonding strength. When the components are mixed properly, a chemical reaction generates heat and turns the mixture into a hard, inert film. It has a comfortable working time in which it can be applied. At the end of this working time, the mixture becomes warm and quickly begins to harden. Placing mixed paint in a refrigerator will lengthen the working time but not indefinitely. Before mixing, shake the paint and catalyst vigorously for several minutes and, if the products have been sitting awhile, stir the paint from the bottom with a mixing stick. For optimum results, apply the paint at between 50 and 80 degrees F. Humidity slows curing time, so do not spray it on days with higher than 70 percent humidity.

Note: for more information on using Klass Kote products, check out Dave Platt's newest Black Art Series DVD, "Understanding & Using Epoxy Paints."

I am very pleased with the results using Klass Kote paints. One quart of reduced Klass Kote will cover approximately 75 to 100 square feet, but with more porous surfaces, the coverage is approximately 60 square feet. The colors are vibrant, and there are 26 to choose from. The ability to mix Klass Kote with the K&B Superpoxy products is the icing on the cake! ✦



Look closely, and you can see the paint's smooth-as-glass "wet" look!

KLASS KOTE - PRODUCT DATA SHEET

PRODUCT NAME

KLASS KOTE - EPOXY COLORS AND CLEAR

DESCRIPTION

KLASS KOTE is a series of two-component epoxy coatings available in a variety of colors, primers, and clear. It is quick air-drying, chemical hardening, and thermosetting. It can be forced dried to accelerate cure. The dried film is very attractive, tough, durable, as well as flexible. It provides excellent adhesion on nearly every substrate.

BASIC USES

KLASS KOTE has been field tested since 1964 on many different substrates including steel, aluminum, masonry, wood, wood composition boards and a variety of other substrates.

PHYSICAL DATA

Note *** (based on White #100 with Gloss Catalyst #405)

SOLIDS BY WEIGHT 56.23%

SOLIDS BY VOLUME 44.94%

SURFACE PREPARATION

The surface must be clean and free from dirt, dust, grease, rust, and scale, or anything that will otherwise impede adhesion. Whenever possible solvent wash with **KLASS KOTE Reducer**. If the recommended reducer is not available, use a high-grade lacquer thinner.

APPLICATION

KLASS KOTE products work ideally with conventional air-atomizing spray equipment, as well as HVLP and airless equipment (can also be applied with a brush or roller). Once the components are mixed and reduced, **KLASS KOTE** covers like most conventional finish coats. Film thickness should be built up by applying successive thin coats of paint and allowing about 20 minutes "flash off" time between coats.

For electrostatic application, if conductivity does not fall within the prescribed range for a given application the conductivity can be raised by adding a polar solvent, such as PPG DTL 16 or Klean-Strip L-27. The polar solvent may have to be added a number of different times in a number of different quantities before desired conductivity is reached, so be sure to record the amount added to each test batch before application.

MIXING INSTRUCTIONS

Thoroughly mix equal parts by volume of components A & B. Allow mixture to inducted/react for 30 to 40 minutes, (with occasional stirring) prior to application. Always mix equal parts by volume of epoxy and catalyst components together first -- before reducing the mixture. The amount of reducer needed depends upon ambient temperature and type of spray equipment used. For finish coat, start with 6 parts paint to 1 part **KLASS KOTE Reducer**. If **KLASS KOTE Reducer** is unavailable, use a high-grade lacquer thinner formulated to reduce epoxies. Do NOT over-reduce.

CURE SCHEDULE

For best results paint and surface should be over 70° F. Can be force dried after solvent has been flashed off. Suggest 120°F for 15 minutes to speed cure time. At 70°F (air & substrate temperatures):

TACK FREE TIME: 20-30 minutes
PRINT FREE TIME: 4 hours
PACKAGING TIME: 24 hours
RECOAT/TOP COAT WINDOW: 4 – 16 hours
SWARD HARDNESS: 1 week

COVERAGE

Using conventional air atomizing spray equipment on a non-porous substrate, 1 quart of reduced **KLASS KOTE** will cover approximately 75-100 square feet. On more porous substrates, 1 quart will cover approximately 60 square feet.

PACKAGING

Available in pint kits (2 x ½ pints), quart kits, (2 x pints) & ½ gallon kits, (2 x quarts). All applications require equal parts of epoxy (part-A) and catalyst (part-B).

AVAILABILITY

Eldoren Design Inc. – 1512-113th Ave, Dawson Creek, BC, V1G 2Z5
Phone: 1-250-784-8383 Fax: 1-250-782-6698 Toll Free: 1-877-784-8383
Email: info@klasskote.ca Web: <http://www.klasskote.ca>

DURABILITY

Continued, prolonged, outside exposures to ultra-violet light may cause some degree of oxidization (chalking) and/or induce slight color fading. Normal periods of exposure will not affect the film. In most conditions, **KLASS KOTE** will retain its outstanding decorative and protective integrity.

WARRANTY

The manufacturer warrants that this product conforms to label descriptions, is free from manufacturing defects, and is fit for the ordinary purposes for which such goods are used. Inasmuch as the use of this product by others and other factors affecting product performance are beyond manufactures control, manufacturer does not guarantee the results obtained. Should this product fail to give satisfactory results, manufacturer will replace the product, or at its option, refund the purchase price. This is the sole and exclusive remedy for any failure of this product to perform as warranted and shall also constitute liquidated damages in case of loss. Under no circumstances shall the buyer be entitled to any other remedy or damages. Remedies for incidental and consequential damages are specifically excluded. The seller does not authorize any person or organization to assume for it any other liability in connection with the sale or use of this product unless specifically authorized by manufacturer in writing.

KLASS KOTE - PRODUCT DATA SHEET

PRODUCT NAME

KLASS KOTE – GRAY PRIMER #50 & WHITE PRIMER #55

DESCRIPTION

KLASS KOTE GRAY PRIMER #50 & WHITE PRIMER #55 are high solids, catalyzed primers with excellent filling capabilities. They have been extensively field tested since 1964. **GRAY PRIMER #50** contains Zinc Chromate pigment as the anti-corrosive agent, while **WHITE PRIMER #55** contains Zinc Phosphate. On the ASTM B-117 test for rust creepage away from x-scribe on steel panel, **GRAY PRIMER #50** rated 10 on a scale of 0-10. (0-worst, 10-best), while **WHITE PRIMER #55** rated a 9.

These products are designed to be the first primer applied to bare substrates. **WHITE PRIMER #55** must be catalyzed with **KLASS KOTE PRIMER CATALYST WHITE FAST #420**, while **GRAY PRIMER #50** can be catalyzed with either **PRIMER CATALYST WHITE FAST #420**, or **PRIMER CATALYST #415** – based on cure schedule requirements and shop conditions.

BASIC USES

Rust inhibiting, protective, sand-able primer.

PHYSICAL DATA

	<u>GRAY #50</u>	<u>WHITE #55</u>
PART-A EPOXY:	<u>SOLIDS BY WEIGHT:</u> 60.10%	60.20%
	<u>SOLIDS BY VOLUME:</u> 41.89%	40.33%
PART-B CATALYST:	<u>SOLIDS BY WEIGHT:</u> 59.92%	61.08%
	<u>SOLIDS BY VOLUME:</u> 39.34%	41.28%
<u>COLOR:</u>	MEDIUM GRAY	OFF WHITE
<u>DUST FREE:</u>	1-HR	45 MIN - 1 HR

SURFACE PREPARATION

The surface must be clean and free from dirt, dust, grease, rust, and scale, or anything that will otherwise impede adhesion. Whenever possible, solvent wash with **KLASS KOTE EPOXY REDUCER #500**. If the recommended reducer is not available, use a high-grade lacquer thinner. For rusted, heavily scaled or previously painted surfaces, sanding to bare surface or media blasting is recommended. If this is not practical, use other conventional methods to remove scale and old paint/primer. IT IS NOT RECOMMENDED TO USE **KLASS KOTE** Epoxy Primers OVER OLD PAINT OR UNCATALYZED PRIMERS!

APPLICATION

KLASS KOTE products work ideally with conventional air-atomizing spray equipment, as well as HVLP and airless equipment. (Can also be applied with a brush or roller.) Once the components are mixed and reduced, **KLASS KOTE** covers like most conventional primer coats. For best results while using conventional spray equipment with **GRAY PRIMER #50 & PRIMER CATALYST #415**, components parts A & B should be inducted or reacted for 30 to 40 minutes (with occasional stirring) prior to application. No induction is necessary when using **PRIMER CATALYST WHITE FAST #420**. Film thickness should be built up by applying successive thin coats of primer and allowing about 20 minutes "flash off" time between coats.

For electrostatic application, if conductivity does not fall within the prescribed range for a given application the conductivity can be raised by adding a polar solvent, such as PPG DTL 16 or Klean-Strip L-27. The polar solvent may have to be added a number of different times in a number of different quantities before desired conductivity is reached, so be sure to record the amount added to each test batch before application.

**MIXING
INSTRUCTIONS**

Thoroughly mix equal parts by volume of components A & B. If using **GRAY PRIMER #50** with **PRIMER CATALYST #415** allow mixture to inducted/react for 30 to 40 minutes, (with occasional stirring) prior to thinning and application. Always mix equal parts of epoxy and catalyst components together first -- before reducing the mixture. The amount of reducer needed depends upon ambient temperature and type of spray equipment used. Start with 6 parts paint to 1 part reducer. If **KLASS KOTE EPOXY REDUCER #500** is unavailable, use a high grade lacquer thinner formulated to reduce epoxies. Do **NOT** over-reduce.

TECHNIQUE

A film of the combined components A&B would yield a dry film by volume of $(40.33 + 41.28) / 2 = 40.80$. In other words, a wet film of 3 mils (.003) would yield a dry film of $3 \times .048 = 1.22$ mils.

Care must be taken in finish coating over epoxy primers. If film has not cured sufficiently, the catalyst component may migrate into the finish coat producing a cheese like result. For rush jobs, induct parts A&B for 2-3 hours before applying, and/or use **PRIMER CATALYST WHITE FAST #420**, with no induction necessary. This will cut the cure rate to approximately 1/2 the time.

Top coats must be applied no sooner than 12 hours after last prime coat, and no later than 36 hours, otherwise primer coat must be scuffed prior to top coating - (when using **PRIMER CATALYST #415**) With **PRIMER CATALYST WHITE FAST #420**, top coating can occur in the range of 6 - 18 hours.

CURE SCHEDULE

For best results paint and surface should be over 70° F. Can be force dried after solvent has been flashed off. Suggest 120°F for 15 minutes to speed cure time.

At 70°F (air & substrate temperatures):

TACK FREE TIME: 20 - 30 MINUTES UP TO 1 HOUR

PRINT FREE TIME: 2 - 4 HOURS

PACKAGING TIME: 18 - 24 HOURS

RECOAT/TOP COAT WINDOW: 4 - 36 HOURS

SWARD HARDNESS: 4 DAYS - 1 WEEK

COVERAGE

Using conventional air atomizing spray equipment on a non-porous substrate, 1 quart of reduced **KLASS KOTE** will cover approximately 50-75 square feet. On more porous substrates, 1 quart will cover approximately 40-50 square feet.

PACKAGING

Available in pint kits (2 x ½ pints), quart kits, (2 x pints) & ½ gallon kits, (2 x quarts). All applications require equal parts of epoxy (part-A) and catalyst (part-B). For industrial customers, or jobs that require larger quantities, please call customer service.

AVAILABILITY

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