

# METALLIC FX



## METALLIC PIGMENTS FOR 100% SOLIDS EPOXY SYSTEMS

Metallic FX is a concentrated powdered metallic pigment designed for use in our 250 HP Cyclo Epoxy system. When applied over a properly prepared and primed surface, the effects that can be achieved are virtually endless, producing an extremely unique and desirable result. Available in an excellent variety of 20 earthy and vibrant colors, our selection is sure to appeal to a wide variety of clients.

### Specifications / Compliances



### KEY FEATURES & TYPICAL BENEFITS

- 20 vibrant standard colors to choose from.
- Very unique application to finish and beautify commercial, industrial, and residential interior floors.
- Easily disperses into 250 HP Epoxy and 250 HP Maxx Flow Epoxy which allows for incredible flow with the metallic.
- Provides a beautiful metallic, mottled effect with unique and varied depth perception.

### Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	N/A
Pot Life	See epoxy data sheet
Dry Time - Tack Free	See epoxy data sheet
Dry Time - Foot Traffic	See epoxy data sheet
Dry Time - Heavy Traffic	See epoxy data sheet
Re-Coat Time Window	See epoxy data sheet
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	N/A
Appearance - Dry	Tinted and High Gloss

Information above is based on lab temperatures of 70° - 72°F at 50% RH. Using this product outside these conditions may affect the accuracy of the information above. Always test prior to use!

ALWAYS REFER TO SDS & READ FULL TECH DATA SHEET AND WARRANTY INFORMATION PRIOR TO USE.

### RECOMMENDED APPLICATIONS

- Showrooms
- Office Space
- Lobby Areas
- Aircraft Hangars
- Garages
- Residential Homes
- Many other interior concrete surfaces where a high end, unique coating is desired.

The Metallic FX system is offered in 20 vibrant colors which can be used individually or in any combination of multiple colors to create one of a kind, unique metallic epoxy floors for interior residential, commercial, retail or restaurant applications. Metallic FX pigments are specifically designed for use in our 250 HP line of epoxies, but are also compatible with many other epoxies and coatings. The excellent flow and leveling properties of Maxx Flow 250 HP Epoxy when mixed with our Metallic FX pigment results in a beautiful, one of a kind marble like finish. Every job is unique!

Review the technical data and SDS for 250 HP Cyclo Epoxy or any other coating prior to use for surface preparation instructions, application instructions, coverage rates and limitations. ALWAYS CHECK FOR COMPATIBILITY WITH PRODUCT BEFORE USE! METALLIC FX MAY NOT BE COMPATIBLE WITH ALL COATINGS!

## APPLICATION INSTRUCTIONS

Unlike most concrete coatings systems, there are no set rules on the method of application due to the multiple possibilities in color combinations and finishing techniques that can be used to manipulate the visual effect of the Metallic FX pigments.

**SURFACE PREPARATION:** Refer to the technical data sheet and SDS for the coating being used for specific surface preparation instructions, application instructions and safety information prior to use. If cracks are present, clean out cracks and if necessary rout out the cracks with an electric hammer drill and chisel bit, vacuum out loose debris and fill cracks with Rapid Set 100 crack filler (refer to the Rapid Set 100 Technical Data Sheet for application instructions).

**COMMON APPLICATION PROCEDURES:** A minimum three coat process is typically recommended for best results. An additional clear top coat may also be applied for added protection if desired.

**PRIME COAT:** Apply primer coat of 1040 Bond Koat water-based epoxy to seal off the concrete surface, reduce out-gassing and improve adhesion to the concrete. This coat may be applied clear, or with color added if desired. Refer to 1040 Bond Koat technical data sheet and SDS for specific surface preparation instructions, mixing instructions, application instructions and safety information prior to use.

**BASE COAT:** Apply tinted base coat of 250 HP Epoxy within recommended recoat window for the prior 1040 Bond Koat primer. Tint 250 HP Epoxy with Kolour Koat Epopak-HP. One pint container per 3 gallon kit is suggested for a solid, opaque finish. Always add color to Part A and drill mix for 1-2 minutes prior to blending A and B. The most common base coat color used is Black Epopak-HP. It hides discoloration of the concrete and crack patching material and also works excellent as a background color to the top coat Metallic FX pigment, however, any color of Epopak-HP or Metallic FX pigment can be used for the prime coat to achieve the desired color effect. Refer to Epopak-HP and 250 HP Epoxy technical data sheets and SDS for mixing instructions, application instructions and safety information prior to use.

**PLEASE NOTE:** It is critical to completely seal off the floor during the prime coat / base coat process to eliminate out-gassing from the concrete pores. If not completely sealed off, late out-gassing from the pores of the concrete can create late bubbles in the thicker applied Metallic FX coat. As the prime coat and base coat are applied, back rolling is a vital step for a successful job! Also, an excellent tool to have on hand during the base coat application is a spiked or porcupine roller with an extension handle to be able to reach back out on the floor to pop a late bubble from out-gassing.

**METALLIC FX COAT:** Apply metallic coat of 250 HP Epoxy within recommended recoat window for the prior 250 HP Epoxy base coat. For a 3 Gallon kit mix a 32 oz container (add more or less to achieve desired opacity) of Metallic FX color in the Part A 250 HP Epoxy and mix for 1 – 2 minutes with a drill mixer at slow speed. Add Part B 250 HP Cyclo Epoxy to the pigmented Part A and stir gently but continuously with a drill mixer for 2 full minutes scraping the sides and bottom of the mixing vessel. Apply mixed material with a flat or notched squeegee or shedless 3/8" roller cover at a rate of approximately 75 – 100 square foot per gallon or at the desired mils rate of thickness. Various visual effects can be obtained by different finishing techniques. Techniques such as swirling your roller in a circular motion, hand troweling in short strokes, using multiple colors mixed separately and poured out in ribbon like streams then rolled, squeegeed or troweled, misting Denatured Alcohol, MEK or Acetone on the surface or even using a leaf blower are some of the techniques that can be used to create custom finishes.

**OPTIONAL TOP COAT:** If desired, a final clear top coat of 250 HP Epoxy or one of our chemical resistant urethanes may be applied for additional protection. For vehicular traffic areas needing chemical or gas resistance such as garages, a top coat of our MCU 85 No Odor Urethane or Polykoat GL 90 are excellent options. See technical data sheets and SDS for benefits, limitations, product descriptions, application instructions and safety information prior to use.

**PLEASE NOTE:** Applying material outside the suggested parameters may result in product failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying, adhere to suggested coverage rates. Applying too thin of a coating may cause inadequate film formation, limited performance expectations and/or undesirable finish. Applying too thick may result to bubbling, hazing, etc. DO NOT USE ON BRICK.

**COF WARNING:** OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Surface Koatings, Inc. recommends the use of slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Surface Koatings, Inc. nor its sales agents will be responsible for injury incurred in a slip and fall accident. For interior floors subjected only to foot traffic, Cherry Surf-Wax may be used as an acceptable slip-resistant coating as it meets requirements for ASTM D2047.

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- Use proper ventilation while applying and for hours after application to ensure fumes are removed.
- Product should be considered a nuisance dust. Where protective mask while handling powder.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This was designed for interior concrete. It is not recommended for exterior applications.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- This product is not resistant to brake fluid, gasoline, and many similar products.
- This product should not be sprayed. Refer to instructions above prior to use.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.

**CLEAN-UP:** Use MEK for finished, colored epoxy coating. Soap and warm water is adequate to clean powder pigment only, from hands and skin. Dispose of containers in accordance with local, state and federal regulations.

**PRODUCT REMOVAL:** Refer to epoxy technical data sheet.

**SHELF LIFE:** Up to one year from manufacture date in its original, unopened container stored at room temperature.

**PACKAGING:** Available in 32 oz. containers (each containing approximately 8 oz. by weight of pigment)

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.

Surface Koatings, Inc. warrants our products to be of good quality, free of defects and will conform with our published specifications in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, we will replace defective materials. Ninety days after Surface Koatings, Inc. has shipped the products, all our warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product, or merchantability or fitness. Liability, if any, is limited to the purchase price of the material. Under no circumstances will Surface Koatings, Inc. be liable for a consequential damage to anyone in excess of the purchase price of the products.