



# METAL FX

## METALLIC-EFFECT PIGMENTS FOR EPOXY-FLOORING SYSTEM

### DESCRIPTION

METAL FX is an indoor, epoxy-flooring system that can be customized to produce unique, metallic-look, light-reflective floors. METAL FX pigments are colored blends of nanoparticle pigments that are pre-measured, and when used in HIGH PERFORMANCE EPOXY, there is no limit for creating brilliant, vivid, one-of-a-kind floors.

### PRIMARY APPLICATIONS

- Restaurants, kitchens, cafeterias
- Retail or commercial floors
- Garages and service areas
- Clean rooms
- Showrooms
- Hotel lobbies and entryways
- Medical facilities
- Arcades

### FEATURES/BENEFITS

- Pre-measured pigments
- Durable, abrasion resistant
- Low odor
- Multi-dimensional effects
- Chemically resistant
- Colors can be used alone or combined

### PACKAGING

Each METAL FX color is packaged in pre-measured doses that are ready to mix in a 1 gal (3.8 L) or 3 gal (11.4 L) unit of HIGH PERFORMANCE EPOXY. Available in 10 standard colors: *Copper, Walnut, Gold Leaf, Burgundy, Ginger, Nile Blue, Steel, Pearl, Charcoal, and Emerald.*

### SHELF LIFE

4 + Years in original, unopened containers.

### COVERAGE

Coverage rates are approximate for a 1 gal/3.8 L unit.

10 mils/160 ft <sup>2</sup>	250 μ/15 m <sup>2</sup>
20 mils/80 ft <sup>2</sup>	500 μ/7.5 m <sup>2</sup>
40 mils/40 ft <sup>2</sup>	1000 μ/3.7 m <sup>2</sup>

Application equipment, method and temperature will have a significant effect on coverage rates. For most dramatic effects, typical coverage rate should be 50 to 75 ft<sup>2</sup>/gal (4.6 to 7 m<sup>2</sup>/3.8 L).

### COMPLIANCES

USDA compliant

## DIRECTIONS FOR USE

**SURFACE PREPARATION:** This epoxy floor coating is designed for application on concrete substrates. New concrete surfaces should be cured for a minimum of 28 days prior to coating. Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 2 to 4 in accordance with ICRI Guideline 310.2. Properly clean profiled area. The pH of the surface should be checked according to ASTM D 4262. Following surface preparation, the cleaned surface should have a minimum surface-tensile strength of 200 psi (1.4 MPa) when tested with an Elcometer or similar pull tester (ASTM D 4541). Before applying the coating, use the "Visqueen" test (ASTM D 4263) or "Calcium Chloride Test" (ASTM F 1869) to evaluate the moisture level in the concrete. Do not proceed if a moisture vapor drive condition exists. Moisture vapor emission rate may vary over time depending upon environmental conditions. All steel surfaces should be blasted in accordance with SSPC-SP10 or NACE #2 to a "near white" finish using clean dry blasting media.

**PRIMING:** For best results, prime the surface with PRIME COAT water-based epoxy primer. PRIME COAT can also be colored with METAL FX at the same dose to ensure a uniform base for the METAL FX top coat. The surface may also be primed with a coat of pigmented HIGH PERFORMANCE EPOXY.

**MIXING:** Primer must be dry before applying METAL FX system. In a clean container, pour all of Part A and mix. Then add the pre-measured METAL FX pigment to the Part A and continue mixing until blended. Pre-mix Part B, then add to the Part A/METAL FX and mix thoroughly using a low-speed drill motor and a "Jiffy" type mixer. Mix only the amount of material that can be applied during the pot life. Do not aerate the mix.

**APPLICATION:** Pour the mixed epoxy on the floor in ribbons and spread using either a roller or squeegee. Because of the unique appearance of METAL FX, the film thickness and finishing techniques will have an impact on the final appearance of the floor, with the most dramatic effects occurring when the pigments are allowed to migrate with the film. Spritzing the surface with denatured alcohol will add mobility to the METAL FX. Other special effects can be created using compressed air, squeegees and other methods.

**TOPCOAT:** Apply clear HIGH PERFORMANCE EPOXY topcoat as directed. For greater abrasion and chemical resistance a final coat of URETHANE or URETHANE WB may be applied. For additional protection and ease of maintenance, apply HIGH GLOSS WAX.

## CLEAN-UP

Clean tools and application equipment with SOLV-KLEEN, methyl ethyl ketone or acetone immediately after use. Clean spills or drips with solvent while still wet. Dried product will require mechanical abrasion for removal.

## PRECAUTIONS/LIMITATIONS

- METAL FX floors can create unique effects, but while the process is simple, some practice is required to develop the best application techniques.
- Do not mix or apply unless surface, air and material temperatures are 50 °F (10 °C) and rising.
- Do not apply METAL FX to floors if there is moisture vapor drive or hydrostatic pressure.
- METAL FX will yellow upon prolonged exposure to sunlight or high-intensity artificial lights. A urethane topcoat is highly recommended for color stability.
- Although epoxy coatings are chemically resistant, the surface may stain after contact with some chemicals. A urethane coating is highly recommended to protect the surface.
- For professional use only
- In all cases, consult the Safety Data Sheet before use.

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