



## Technical Data Sheet Metallic Dream Epoxy

### Description

Metallic Dream is a premium quality, self-leveling, two-component high-gloss floor coating that provides a durable, seamless finish. It has an extended working time of 50 minutes making it ideally suited for Metallic Epoxy. Its whitish hue in the bucket is due to its very high defoamer content. Rest assured it dries very clear with a very high shine. It is readily available in a 3 gallon kit consisting of 2 components. 2 Parts A “Base” and 1 Part B “Activator” making this a 2 – 1 mix ratio product. This product can be ordered in 15 gallon kits upon request.

### Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol. This product requires either a base coat of epoxy, or a Moisture Mitigating Epoxy (if necessary). Allow 12 hours to dry.

### Mixing

**(DO NOT MIX BASE AND ACTIVATOR BEFORE READING THIS SECTION IN IT’S ENTIRETY)**

#### Step 1

Metallic pigment powders should be added to the **BASE ONLY** and blended thoroughly at high speed for 1 – 2 minutes then let rest while allowing time for ALL bubbles to escape. It may take 20 or more minutes for the bubbles to escape. *The purpose of this step is to get the metallic pigments to dissolve well and avoid what’s commonly referred to as meteors or comets.* When using [One Stop Epoxy Brand Pigments](#) they dissolve very quickly, typically by the time the bubbles clear. Lesser quality pigments may take hours or days or may never dissolve to the point where you won’t have meteors or comets.

#### Step 2

Full kits of epoxy should be mixed with a [Cage Mixer](#). Plastic [paddle mixers](#) are suitable for mixing partial kits of epoxy but not 3 gallon kits. They simply do not move enough volume fast enough to mix properly especially when time is of the essence.

All One Stop Epoxy epoxies come in [3 gallon short fill buckets](#). When mixing a full bucket pour your Part B directly into the center of the Part A bucket and mixed for 2 minutes with mechanical mixing. Avoid getting the Part B “activator” on the side of your Part A “Resin” Bucket. Doing so may leave you with soft spots on the floor that will never cure.

For application, get the material out of the bucket and onto the floor using a Magic Trowel, roller, or any other utensils, or tools you may desire to gather the effects of a beautiful Metallic Floor. pour the mixed material on the floor in 12” ribbons, while wearing spiked shoes. Backroll with a lint-free 3/16” epoxy roller. If applying metallic, do not backroll; instead, move the material using a magic trowel. Add a second color or spritz alcohol for moon-rock effects.

## Application

To achieve the best results, Metallic Dream should be applied over a pigmented base coat of [One Stop Epoxy 100% Solids](#) or [One Stop Epoxy 150FC](#) at temperatures between 55-90 degrees Fahrenheit. If application is within 24 hours of base coat application and a chemical bond may be achieved, however **WE HIGHLY RECOMMEND YOU SAND THE BASE COAT PRIOR TO INSTALLING THE METALLIC BODY COAT. THE BASE COAT MUST BE FREE OF ANY BUBBLES PRIOR TO THE APPLICATION OF THE METALLIC BODY COAT.** If not, all those imperfections will most likely transfer through to your metallic body coat. Once repaired, base coat must be sanded and prepped by wiping with denatured alcohol, prior to coating with Metallic Dream Epoxy.

## Coverage

### Metallic Dream Coverage:

The recommended application rate to truly appreciate a Metallic Floors is: 50 - 60 SFPG

## Dry Time and Recoat

The tack-free and foot traffic dry time is 12 -18 hours dependent upon temperatures and humidity

Recoat time is 24 hours

Heavy foot traffic in 48 hours

Vehicular traffic 72 hours

Before applying additional coats or finish coats, lightly sand the surface and wipe it down with denatured alcohol or acetone

## Exterior Applications:

Unless installed as a primer with pigmented Urethane Topcoats. Not recommended, as clear epoxy will amber.

## Approved Topcoats

Metallic Dream is approved for use with One Stop Epoxy Urethane – WB, PolyGloss 85, Premera T2, or a clear sacrificial layer of Metallic Dream Epoxy.

## Physical Properties

### Metallic Dream has the following physical properties:

|                         |            |                            |
|-------------------------|------------|----------------------------|
| Viscosity Mixed         | Brookfield | 500-750 cps                |
| Shore-D Hardness        | ASTM D2240 | 89-91                      |
| Compressive Strength    | ASTM D695  | 16,500 psi                 |
| Adhesion to Concrete    | ASTMD 4541 | 600psi                     |
| Tensile                 | ASTM D638  | 3850 psi                   |
| Flexural Modulus        | ASTM D790  | 4700 psi                   |
| Koenig Hardness         | ASTM D4366 | 145                        |
| Tabor Abrasion          | ASTM D4060 | 22 mgs lost                |
| Coefficient of Friction | ASTM 2047  | < .60                      |
| VOC                     |            | < less than 50 grams/liter |

### Chemical Resistance ASTM D-1308

|                       |       |                                  |       |
|-----------------------|-------|----------------------------------|-------|
| Acetic Acid           | Y     | Methanol                         | N     |
| Acetone               | N     | Methyl Chloride                  | N     |
| Ammonia 30%           | Y     | Mineral Spirits                  | Stain |
| Anti-Freeze           | Y     | Motor Oil                        | Y     |
| Animal Urine          | Y     | Mustard                          | Stain |
| Brake Fluid           | Y     | Nitric Acid                      | N     |
| Chlorine              | Y     | Orange Juice                     | Y     |
| Chromic Acid 10%      | Y     | Phosphoric Acid                  | Y     |
| Gasoline              | Y     | Silver Nitrate                   | Y     |
| Hydraulic Fluid       | N     | Skydrol                          | Stain |
| Hydrochloric Acid 35% | N     | Sodium Hydroxide (Caustic)       | Y     |
| Hydrofluoric Acid     | N     | Sodium Hypochlorite (Bleach)     | Y     |
| Hydrogen Peroxide     | Stain | Sulfuric Acid 10% (Battery Acid) | Y     |
| Methyl Ethyl Ketone   | N     | Windshield Wiper Fluid           | Y     |

### Regulatory

Less than 50 grams/liter  
Meets all VOC categories in US and Canada  
Contributes to Lead

**Warranty: MATERIAL ONLY IF PROVEN DEFECTIVE, NO LABOR – SEE BELOW**

### One Stop Epoxy

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