



MICA ESSENCE “Metallic Mica Powder” Product Information 226 gram and 60 gram jars



Description and Use:

Mica Essence metallic mica powders are specifically designed to be used within Granicrete's countertop and flooring systems. Mica Essence metallic mica powders are an eco-friendly aesthetic booster.

Mica Essence metallic powders are comprised of different types of vermiculite and micaceous materials, infused with different toners and processed to an extremely fine micron averaging between 12-17 microns. This product is manufactured into premium quality fine particles. Most other mica powders on the market, are much coarser and will not diffuse easily or go very far. With Mica Essence metallic powders, the finely processed powder will easily diffuse into your desired medium requiring minimal quantities.

Mica Essence metallic powders are currently available in 10 rich & elegant designer colors. These colors are extremely strong and should be used judiciously depending on the medium you want to enhance.

This engineered product used in the following Granicrete Systems:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Floor Overlays / Micro-Toppings | <input checked="" type="checkbox"/> 3D |
| <input checked="" type="checkbox"/> Interior | <input checked="" type="checkbox"/> Epoxy Flooring |
| <input checked="" type="checkbox"/> Exterior | <input checked="" type="checkbox"/> Shower FX and Walls |
| <input checked="" type="checkbox"/> Countertop | <input checked="" type="checkbox"/> Outdoor Islands |

Real Metallix:

Mica Essence is the key product that turns an ordinary epoxy or polyurethane floor coating into an extraordinary Metallic Floor. Mica Essence can be added to Crystal Top Epoxy, CA-FD (Clear), EC-100, or Polyurea-90C to create a metallic floor finish. The mixing ratio can be adjusted for different effects. A good starting point is 6oz (by weight) of Mica Essence per gallon of clear coat. When mixing into a clear coat it is recommend to use a squirrel cage mixer to prevent any clumping of the Mica.

Product Uses:

Mica Essence metallic powders are designed to be used as an additive in different Granicrete mediums. By adding these metallic powders into different mediums you can achieve beautiful aesthetic properties. For example, you can add 2-3 grams of shimmer copper into 2 cap fills of Stonehenge Dispersion (with or without the Advanced Suspension Additive) and develop a metallic version of Stonehenge. The versatility opened by these powders is crucial for the experienced decorative professional. These powders give the decorative artist an unlimited array of aesthetic advantages eliminating the competition.

The key to these powders is simply to practice and get the feel for how they work with these different mediums.

Below are some suggested uses.

Mica Essence metallic powders can be added to the following:

Countertop and Designer Options:

1. **Crystal Top Epoxy** – This can be achieved in multiple ways. Two of the most conventional ways are to:
 - A) Add a small amount of the desired powder to the epoxy mix after part A & part B has already been combined. This will provide a sheer metallic veil over the coloring you have already laid down.
 - B) After your epoxy is thoroughly mixed, poured, and level onto your surface; using a clean dry chip brush, dip the chip carefully into the Mica Essence and then work the dry powder into the epoxy top coat. Swirl the brush in your desired pattern then gently torch. Over torching will cause the pattern to melt away. Be careful with the powder as too much will ruin the look.

Either method produces a phenomenal look and will take your counter top projects to new heights. However, it is imperative that a sample board is completed to ensure consistent results.

2. Added to wall finishing wax to provide an ultra-elegant metallic Venetian Plaster finishes. Simply add a small to medium amount of metallic powder to the wax and then tightly skim the wax over the plaster pushing the wax instead of pulling the wax. Trowel or buff wax with 100% coverage wait at least 30 minutes, and buff with a high-speed orbital buffer using cheesecloth or lamb's wool.
3. Add 5-35% into wall finishing glaze, to make a metallic glaze. The glaze can further be adjusted with different pigments to achieve certain hues.
4. Add into wood stains for cabinetry, woodwork, etc. By adding the mica powder into a wood stain, a finisher can achieve very high-end elegant looks that conventional stains simply cannot provide.
5. Can be added to isopropyl/denatured alcohol to make a multi-chromatic activating solution. Simply add between 10-20% mica powder into the alcohol solution and Spritz onto a freshly glazed surface. Let sit for approximately 10-15 minutes and then pull in one direction with a badger softener brush or soft foam brush. Manipulate your tool in downward X directions.
6. Can be added to the Natural Aurafakes to adjust their color. Simply add the mica powder into the Aurafakes container, tighten the cap, shake for 30 seconds, and now you have different colored Aurafakes.

CA-FD and EC-100 Options:

Mixing:

Typical mixing is 220gram jar to 1.5-gallon kit of CA-FD. As a primer coats for floors you will yield approximately 200sf per kit. As the play coat, you will yield 90-120 sf per kit.

Manipulation & Movement:

As a Primer Coat: The goal as a primer is to completely cover the substrate. Pouring and moving using a Magic Trowel or notched squeegee followed by back rolling the surface will provide a base cover for your following play or fun coat.

As a Decorative, Play or Fun Coat: Applying over the primer coat is achieved by pouring in ribbons or spots while including the other colors that you have mixed for your desired look. These independent colors when poured in waves, ribbons, weaving and more are then manipulated by squeegees, trowels, brushes, rollers, air guns, leaf blower, etc.

These are further manipulated by using alcohols and solvents (isopropyl, acetone, denatured alcohol, MEK and even Mineral Spirits). **CAUTION:** Overuse of such will diminish performance and lead to latent outgassing (bubbling) or crater separation. Quality solvents should be used avoiding any retaining water or holding moisture.

Addition of these solvents and alcohols can be done by misting, splattering, dripping, etc.

Further tool manipulation by hand as reference above can be done if needed after solvents and alcohols are applied.

Note: Allow epoxy to settle a few minutes before adding solvents and alcohols. Watch your set time for CA-FD as manipulation closer to set time may diminish results you desire.

POLYUREA 90 Options:

Mixing:

Typical mixing is 220gram jar to 1.25-gallon kit of Polyurea 90. Before Polyurea 90 can be applied, the substrate must be primed with any floor epoxy or SL-P38 Gloss.

As the play coat, you will yield 80-100 sf per kit. Polyurea has a fast set time of 20-30 minutes and is faster with warm humid conditions. Polyurea 90 is exceptional when back to service times are short as this product will set in 2-6 hours. Refer to its specification sheet and Granicrete's Sealer Chart for more information.

All play coats must be sealed with a clear coat. Refer to Granicrete's Epoxy Floor Manual and Sealer Chart.

Packaging:

- 60 Grams – Plastic Jar
- 226 Grams (8oz) – Plastic Jar

Color:

- Antique Copper
- Blue Steel
- Charred Pearl
- Charred Sage
- Charred Silver
- Emerald
- Flash Gold
- Gold Rush
- Graphite
- Ice Blue
- Lavender
- Merlot
- Mocha
- Phantom Grey
- Ruby
- Sand
- Sapphire
- Shimmer Copper
- Sunrise
- Titanium

ADVANTAGES:

- Non-Toxic
- Eco-Friendly
- Non-Corrosive
- Non-Hazardous
- Elegant array of designer colors
- Extremely Versatile
- Quality processed for excellent micron dispersion
- Elevates aesthetic offering

Technical Data:

Physical:	Solid/Powder
Colors:	Offered in 10 designer colors, including iridescent colors
Odor:	None
Specific Gravity/Density:	2.6 ~ 3.2g/cm ³
pH:	5 ~ 8 (10% aqueous slurry)
Flammability:	None
Toxicity:	None
Cleanup Solvent:	Soap & Water
Environmental Impact:	None/Neutral
User Status:	Friendly
VOC/VOS Compliant:	Yes
Spill Cleanup:	Dilute/flush with water
Stability:	Stable, acid and alkali resistance under the normal temperatures

Wear Personal Protective Equipment when using MICA powders.
Prolong use of mica powder without proper respiration can cause pulmonary fibrosis.

Read SDS before using this product.

DOT/Flash Point – Non-flammable Liquid Classification, not regulated

Manufacturer/Distributor Warranty: As neither the manufacturer nor the distributor has control over the actual installation of this product, the manufacturer and distributor disclaim any and all warranties expressed or implied regarding color shade, appearance, and product performance at and after opening product containers. Manufacturer and distributor recommendations and suggestions are made without guarantee. Conditions of installer's and consumer's use of this product are beyond the control of manufacturer and distributor. Manufacturer and distributor disclaim any liability incurred in connection with the use of this product or information contained herein.