



## PRODUCT NAME

**UDT Metallics**

## MANUFACTURER

Ultra Durable Technologies

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## PRODUCT DESCRIPTION

UDT Metallics are dry, powdered pigments composed of mica particles and coated with various specialty organic and inorganic pigments. Combine UDT Metallics with MC-UV Epoxy to provide brilliant, iridescent, three-dimensional effects that turn concrete floors into a work of art. MC-UV Epoxy is specifically formulated to be 100% compatible with UDT Metallics, meaning built-in resistance to bubbles and outgassing as well as excellent clarity and hardness.

Follow UDT's detailed standard operating procedures (SOPs) to ensure a successful metallic application each and every time. UDT representatives will help you choose the best topcoat for your environment. This could mean the very popular IMPACT water-based urethane, which yields an incredibly clear and smooth appearance (available in high gloss or matte), or they may recommend UDT's Ultra HTS high-solids urethane with long working times and extreme chemical and abrasion resistance.

## UNIQUE ADVANTAGES

- Excellent self-leveling in MC-UV Epoxy
- Resists bubbles and outgassing
- Great color movement
- Superb UV-resistance and color-fastness
- Compatible with multiple UDT topcoats

## PACKAGING

16 oz. (pint) wide-mouth jar

Recommended 1 x 16 oz. jar per 3 gallons MC-UV Epoxy

## SHELF LIFE

3 Years (36 months) in original packaging

## FLOOR PREPARATION

Concrete must be cured for 30 days prior to coating, structurally sound, and free of contaminants including but not limited to waxes, loose paint, dust, dirt, grime, oils, release agents, curing compounds, and any surface laitance (a layer of weak and non-durable material). Concrete should be shot-blasted or diamond ground to achieve a minimum CSP 2 or CSP 3 profile (30-80 grit metal-bond diamonds).

## MOISTURE VAPOR EMISSIONS PRECAUTIONS

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions are present before applying any coatings. A moisture test should be performed resulting in a maximum MVT rate of 3 pounds per 1000 sq. ft. in 24 hours. UDT can supply moisture remediation products and information. Consult your UDT representative for more information. UDT and its representatives or sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

## MIXING INSTRUCTIONS

- 1) Wear gloves and safety glasses when mixing.
- 2) Pre-mix MC-UV Epoxy part A for 1 minute.
- 3) By volume, pour out 2 gallons of part A into a separate mixing container.
- 4) Add 1 pint UDT Metallics and mix until uniform in color.
  - **Optional** - Cover and let metallic mixture sit for 24 hours to minimize clumping and comet effects.
- 5) By volume, add 1 gallon of part B to the mixing container and drill-mix on low-speed for 3 minutes.
  - **Optional** - Pour through a cloth sieve or filter.
- 6) Immediately pour all contents onto the floor and complete spreading and rolling within 25 minutes.

## APPLICATION INSTRUCTIONS

- SEE UDT METALLICS SOP FOR COMPLETE INSTRUCTIONS
- **Optional / recommended** - Prime floor with a thin coat (1-3 mils) of clear or pigmented UltraSpartic (85-EXT, 85-FAST, or 100) or Epoxy (MC Standard or Fast Cure, MC-UV, Cold Cure, or MV Primer).
  - Apply base coat of pigmented UltraSpartic (85-EXT, 85-FAST, or 100) or Epoxy (MC Standard or Fast Cure, MC-UV, or Cold Cure).
  - Apply body coat of MC-UV Epoxy mixed with UDT Metallics at a suggested coverage rate of 80 sq. ft./gallon (20 mils).
  - **Optional** - Wear spiked shoes and mist xylene to achieve additional metallic movement.
  - Allow to dry (12-16 hours).
  - Topcoat with clear IMPACT or Ultra HTS urethane coating. (Sand screen between all coats to minimize debris and defects)

## WARRANTY

Ultra Durable Technologies, Inc. products are warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied, is made to the effects of such use. Seller and manufacturer's obligations under this warranty shall be limited to

refunding the purchase price of that portion of the material proven to be defective. Contact your UDT representative for more information.

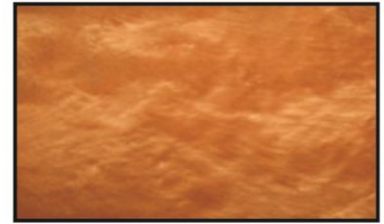
## UDT Metallic Pigment Colors



**Topaz**



**Fool's Gold**



**Red Brass**



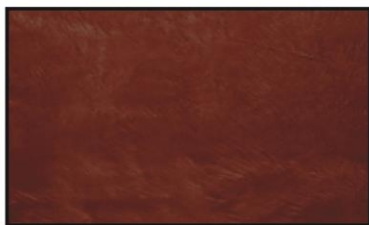
**Proper Copper**



**Chocolate Sauce**



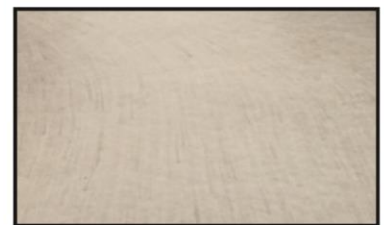
**Coffee**



**Red Hot**



**Superior Blue**



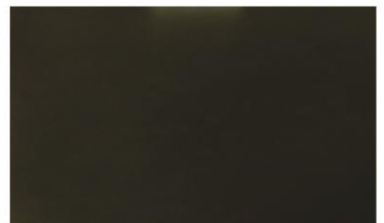
**Alabaster**



**Clean Slate**



**Gunmetal**



**Midnight Black**

Ultra Durable Technologies provides this metallic color guide for preliminary color selection only. Physical color samples are available by request. However, colors may vary slightly due to application method, thickness, and background color choice.