



**COATINGS SOLUTIONS**  
**HIGH PERFORMANCE**

## Technical Data Sheet

3150 County Line Rd, STE 4  
Lakeland, FL 33811

[www.coatingsoln.com](http://www.coatingsoln.com) - Office: 863-450-2192 - E-mail: [info@coatingsoln.com](mailto:info@coatingsoln.com)

# LIQUID METAL EPOXY

### Description:

Liquid Metal Epoxy is a self-leveling two component high gloss Metallic Floor System. Formulated to give application over an hour working time with extreme Lava like flow and leveling. Simple 2 to 1 mix ratio

### Typical Applications:

Retail and Commercial Flooring

Garage and Showroom Floors

High-Traffic Interior Applications

### Approved Topcoats:

Tru-Alpha Urethane WB or Tru-Apha Uro Floor Finish.  
Also approved for wood and laminate counter tops.

### Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol. Apply Moisture Blok Epoxy Primer at spread rate of 150-180 sq. ft. per gallon. (See product label for further instruction.) Allow 12 hours to dry.

### Mixing:

Add Part B to Part A Mix for 2 minutes with mechanical mixing. Wearing spike shoes immediately pour mixed material on the floor.

### Metallic Pigments:

While mixing add one metallic pigment to 2 gallon of Liquid Metal Epoxy Resin. Mix at low speed or two minutes. For best results let this mixture sit so powder can fully wet out. Let sit overnight then filter for best results. Then add Epoxy Hardener mix for additional 2 minutes. continually sweeping sides and bottom of container.

### Application:

Pour mixed material on the floor in 12" ribbons. While wearing spiked shoes back roll with lint-free 3/16" epoxy roller. If Metallic application, do not back roll move material using magic trowel. Add second color or spritz alcohol for moon-rock effects. With extended open-time allows installer to torch the floor to remove any air bubbles.

### Coverage: 1 gallon will cover approximate

Metallic Floors 55-65 sq.ft./gal OR 25-30 M  
Best if applied at temperatures between  
55- 90 degrees Fahrenheit



*Liquid Metal Epoxy applied at 55 sq. ft per gal or 25-30 mils*

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## Dry time & Recoat:

Tack free/foot traffic: 12 hrs. Recoat 24-36 hrs.  
Heavy foot traffic 48 hrs. Vehicular Traffic 3 days.

Lightly sand the surface and wipe down with denatured alcohol or acetone before applying additional coats or finish coats.

## Exterior Applications:

Not recommended .

## Physical Properties:

|                         |            |                            |
|-------------------------|------------|----------------------------|
| Viscosity Mixed         | Brookfield | 300-400 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     |
| Acetone               | N     |
| Ammonia 30%           | Y     |
| Anti-Freeze           | Y     |
| Animal Urine          | Y     |
| Brake Fluid           | Y     |
| Chlorine              | Y     |
| Chromic Acid 10%      | Y     |
| Gasoline              | Y     |
| Hydraulic Fluid       | N     |
| Hydrochloric Acid 35% | N     |
| Hydrofluoric Acid     | N     |
| Hydrogen Peroxide     | Stain |
| Methyl Ethyl Ketone   | N     |
| Methanol              | N     |
| Methyl Chloride       | N     |
| Mineral Spirits       | Stain |
| Motor Oil             | Y     |
| Mustard               | Stain |
| Nitric Acid           | N     |
| Orange Juice          | Y     |
| Phosphoric Acid       | Y     |

|                                  |       |
|----------------------------------|-------|
| Silver Nitrate                   | Y     |
| Skydrol                          | Stain |
| Sodium Hydroxide (Caustic)       | Y     |
| Sodium Hypochlorite (Bleach)     | Y     |
| Sulfuric Acid 10% (Battery Acid) | Y     |
| Windshield Wiper Fluid           | Y     |

## Available Kit Sizes:

3 gallon and 15 gal kits

## Handling, Storage, Disposal & Clean-up:

May irritate eyes wear gloves

Store in clean dry area do not freeze

Dispose in accordance with all state local and federal laws

Clean-up tools and equipment with xylene

## 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

