

LEGGARI METALLIC EPOXY

Part A & B Mixed Technical Data Sheet

PRODUCT DESCRIPTION

Leggari Metallic Epoxy is a two-part, 100% solids, Zero VOCs, epoxy made with proprietary additives to create one of the most fluid resins on the market. This alleviates the majority of issues that cause bubbles to develop. Another great by-product of this fluidity, when used with our Metallics, is the resin becomes a living surface for a bit, moving throughout the early stages of the curing process, creating the most intense effects possible. This virtually eliminates roller lines from forming in the finished product.

THE LEGGARI DIFFERENCE

All Products in our system are industrial/commercial grade and with proper installation and maintenance you will achieve a longevity comparable to the substrate/surface that you are coating.

We have completely revolutionized and streamlined the entire installation and ordering process(s) with the most comprehensive instructional videos on the market and an online system that builds your order for you based on the square footage of your application.

USES

Leggari Metallic Epoxy is designed to resurface over existing substrates/surfaces including but not limited to; concrete floors/counters, wood floors/counters, laminate/formica, stone/engineered stone, and tile to name a few. For any other surfaces, inquire about compatibility at customerservice@leggari.com

PACKAGING

- 3 quart kit
- 1.5 gal counter kit
- 3 gal kit
- 15 gal kit
- 150 gal kit

COLOR

The resin itself is clear but you may use any of the Leggari Metallics to achieve the look you desire.
-Please refer to our brochure for the color chart.

MAINTENANCE

- For floors, clean with warm water or a neutral cleaner.
- For counters, clean with warm water, a neutral cleaner, or disinfectant Windex.

INSPECTION

The substrate must be structurally sound or have the ability to be properly secured before application, and must be an applicable surface that our system has been tested on.

- See "USES" above.

PREPARATION

The preparation steps for your application will vary depending on the type of substrate that you will be coating. Please contact CustomerService@Leggari.com if you are unsure how to properly prep your substrate. You can also view our tutorial videos at Leggari.com

APPLICATION

MIXING

Mix and measure out both parts A & B at the 2:1 Ratio, but do not mix part A and B together until you are completely ready to start the project. Separate the amounts for both your base coat and highlights. For each section if doing a floor, add the Leggari Metallic Pigment to the Part A and mix before hand. If doing a floor, it's recommended to do this for all sections before beginning the application. It's also recommended to wear a respirator while blending metallics. If possible, blend metallics in open air or next to a shop vac you can use to suck up loose metallics that get in the air.

When you are ready to begin the application, you will add the Part B to the Part A (both pre-measured & Part A pigmented with metallics) and mix with a drill and paddle for 2-3 minutes. While mixing, epoxy heats up a lot. Do not mix too fast or epoxy can shoot out of mixing container and can cause burns. Once mixed, pour epoxy into a new container—scraping out as much as possible from the edges and bottom. Then mix in the new container for another 45 seconds before pouring it out to work with.



WARNING

DO NOT UNDER ANY CIRCUMSTANCES LEAVE MIXED PRODUCT IN A BUCKET OR MASS. THIS WILL CAUSE A FASTER CHEMICAL REACTION AND THE EPOXY WILL HEAT UP AND BECOME TOO THICK TO USE. REFER TO THE POT LIFE AND WORKING TIME BELOW IN THE TECHNICAL DATA.

COVERAGE

FLOORS:

- Standard Metallic Epoxy: 45 sq ft per gallon of mixed product
- Dirty Pour Kits: 15 -20 sq ft per gallon of mixed product

COUNTERS:

- Standard Metallic Epoxy: 3.5 - 4 oz per sq ft
- Leggari Stone: 7.5 oz per sq ft

THINNING

We do not recommend thinning our metallic epoxy as it hasn't been exhaustively tested with thinning agents. Thin at your own risk.

Note: thinning will affect pot life, cure time, and finished product among other things.

APPLYING PRODUCT

For best results, refer to our video tutorial and installation guidelines specific to your project prior to application.

CLEAN UP

You can use rags with denatured alcohol or acetone to clean any re-usable tools while the product is still fluid. Anything the epoxy has cured onto may need to be thrown away or you risk having debris in your epoxy the next time you use them to mix.

DRY TIME

After the epoxy step is completed you will wait until the next day to apply your Topcoat, but within 24 hours (at 70 degrees). If you wait more than 48 hrs to do so, you will need to lightly sand the surface with 220 grit sandpaper or higher and clean it before application. If a topcoat is not being applied you may resume light foot traffic in 48 hrs and full use in 7 days.

* These time frames are based off of applications done in a controlled environment at 70°F. Temperatures can affect working time, dry time and cure time due to environmental changes, and/or other unforeseen circumstances. Please see Limitations below

CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Leggari Products recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued.

- If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required.

LIMITATIONS

- This product works in conjunction with our full Metallic Epoxy System & has been designed for use by professionals and DIY'ers alike.
- Make sure to measure each component (Part A and B) out before mixing and do not leave any mixed product in the bucket once mixed.
- Before application, the surface must be properly prepped, and have any necessary repairs done to the substrate.
- Do not apply in temperatures below 55°F or above 85°F. Hot or cold weather will effect working times and cure times.
- Application must cure for at least 48 hrs before resuming light foot traffic or coming into contact with water.
- For interior use only. If you are looking for an exterior application contact us at customerservice@leggari.com.
- Products must be properly stored if not being immediately used. Store above 50°F, sealed, unmixed, and out of the sun.

HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Prolonged or repeated skin contact can cause slight skin irritation. It's always recommended to use rubber gloves, respirator, and safety glasses when mixing or handling the product.

If you are highly sensitive to smells you may notice a slight odor but our metallic epoxy is extremely low VOC.

-Always wear the proper PPE for your application

PHYSICAL PROPERTIES

Chemical Composition	Bis A Epoxy Resin cross-linked with cyclo aliphatic amines
Weight/gal (mix)	9.0
Gloss @ 60 Degree	102
Solids %/wt (mix)	100
Solids %/vol (mix)	100
Viscosity cPs (mix)	332
Viscosity KU (mix)	73
VOC gm/l (mix)	1.4
Shelf Life	1 year
Color (gardner)	NA



TECHNICAL DATA

Tack Free over concrete 70°F	6 Hrs
Foot Traffic over concrete 70°F	48 Hrs
Car/Re-Install Furniture 70°F	7 Days
Pot Life 70°F	10 Minutes
Working Time 70°	45-60 Minutes
Heat Resistance (Constant)	150°F
Heat Resistance (intermittent)	200°F
Adhesion Rating On Concrete*	5
Adhesion Rating on Wood*	5
Adhesion Rating On Steel*	5
Tensile Strength	7,500 Psi
Compressive Strength	200,000 Psi
Flexural Strength	10,000 Psi
Tensil Modulus	300,000 Psi
Compressive Modulus	300,000 Psi
Impact Resistance D/R**	14/1 Lbs
Hardness Shore D	75
Pencil Hardness	2H

KEY:

* Base on properly prepped surfaces

**D/R - Direct/Reverse

-Ratings are based on a 1-5 numbering system, 5 being the best.

5 = Best (no effect)
 4 = Softens (recovers)
 3 = Softens (no recovery)
 2 = Blistered (no recovery)
 1 = Worst Destroyed
 s = With Stain
 *Contact time > 5 hrs = 1

CHEMICAL RESISTANCE

Muratic Acid (31.5 % HCL)	5
Sulfuric Acid (50% H2SO4)	5
Sulfuric Acid (93% H2SO4)	3s
Nitric Acid (10% HNO3)	5
Sodium Hydroxide (50% NaOH)	5
Bleach (sodium hypochlorite)	5
Vinegar (3-5% acetic acid)	5s
Transmission Fluid	5
Gasoline	5
Brake Fluid	5
409 Surface Cleaner	5
Pine Sol Solution	5
Blood and body Fluids	5
Iodine Solution	5s
Mustard	5
Ketchup	5/5
Red Wine	5/5
Acetone	4
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Ethanol	5
Methanol	5

DISCLAIMER

PRODUCT FAILURE DUE TO IMPROPER INSTALLATION OR DEVIATION FROM THE RECOMMENDED USES &/OR APPLICATIONS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR/INSTALLER TO COVER THE PRODUCT COST, AND LABOR.

IN THE CASE OF A PRODUCT DEFECT BEING THE REASON, A JOINT WARRANTY WOULD COME INTO EFFECT. IF THIS WERE TO TAKE PLACE LEGGARI PRODUCTS LLC WOULD REPLACE THE PRODUCTS SOLD (NOT TOOLS & EQUIPMENT) AND THE CONTRACTOR OR INSTALLER WOULD COVER THE LABOR.

Prepared by:
 Revision Date:

LEGGARI PRODUCTS LLC
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