



# COUNTERTOP EPOXY

MIX RATIO 2 PARTS A & 1 PART B

## Product Data

Volumetric Ratio ..... 2 to 1  
Solids ..... 100% (+ or - 1%)  
Coverage ..... 50 SF/gal. at 24 mil

Application Temperature ..... 55-90°F  
Thinning ..... Not Required  
Pot life ..... 15-20 min

Cure Time ..... 24 hours  
Full Cure ..... 3 to 4 days

Critical Re-Coat Time ..... 12 hrs.  
Shelf life ..... 12 months.  
USDA Food & Beverage ..... Meets Req.

Color of epoxy ..... Clear

## Metallic Pigments Color

- Pearl
- Silver
- Titanium
- Gun Metal
- Cambridge Blue
- Ocean Blue
- Sky Blue
- Orange Gold
- Wine Red
- Brass
- Chestnut
- Copper
- Violet
- Purple
- Forest Green
- Green Apple
- Bright White
- Magic Yellow
- Orange Red
- Pink

## Packaging

### 1.5Gallon Kits:

Part A ..... 1 gal.  
Part B ..... 0.5 gal.  
Metallic Powder ..... 16 oz jar.

## PRODUCT DESCRIPTION

E2U Countertop Epoxy was self-leveling, zero VOC, essentially odorless. Typically applied at a 22-25 mil thick single coat (50 SF/gal). This dynamic blend does not require activator to be sprayed on the surface to obtain a unique and highly decorative look - However, if sprayed you will need to use an HVLP sprayer at less than 40 PSI. It meets USDA requirements for incidental food contact. This material cures blush-free and provides an outstanding balance of physical strength and flexibility.

## APPLICATIONS

Countertop Epoxy can be applied on Concrete, Granite, Laminate, Cork, Formica, Quartz, Corian and ceramic tile.

## ADVANTAGES

- Self Leveling
- Essentially odorless
- ZERO VOC
- High gloss, & color stability
- Long Working Time
- Chemical & impact resistant
- No amine blush
- Modified to to be highly UV resistance
- Excellent flowability

## PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Compressive Strength	7,800 psi	ASTM C 695
Flexural Strength	3,700 psi	ASTM D 790
Tensile Strength	3,900 psi	ASTM D 638
Bond to Concrete	350 psi	ASTM D 4541 Concrete fails at this point
Taber Abrasion	75-80 Mgs	ASTM D 4060
Flammability	Self-extinguishing	
Hardness, Shore D	84	ASTM D 2240
Flash Point	>200°F	



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## PREPARATION

Before coating is applied, surface must be:

- Dry – No wet areas
- Clean – Contaminants removed
- Profiled – Surface etched
- Sound – All cracks and spalled areas repaired

## PATCHING

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. Patch concrete with E2U Patch. After the patching material is cured, diamond grind patch. If another patching material is used, contact a E2U technical representative for a compatible and approved alternative.

## TESTING

All surfaces are not the same. It is recommended that a sample area be done before the start of the project. The test should be done on-site, using the proposed method by the assigned applicator to insure proper adhesion and color. A sample area should also be done on any existing coatings to determine if any contaminants exist or if delaminating will occur.

## MIXING

The ratio of Metallic Epoxy is 2 to 1. That is, two parts A (resin) to one part B (hardener). Mix the following with a drill and mixing paddle. Note: If using a drill mixer, use a low speed (not to exceed 300 rpm) to prevent air entrapment.

1. Premix (1)16 oz jar of Metallic Powder into the 1gal of "A" Resin Container for 3 to 5 minutes. Allow to stand for minimum of 5 - 10 minutes to allow any air mixed in to escape.
2. Add 1/2 gallon of Part "B" Hardener and mix for another 60-90 seconds.
3. E2U Epoxy is designed to be immediately poured on the floor. Leaving mixed product in the container will greatly reduce pot life. Once poured out on the floor, 45-60 minutes of working time can generally be expected.

## CLEAN UP

while in an un-reacted state, may be cleaned up with hot water and degreaser. Isopropyl alcohol or acetone may be needed once the resin begins hardening. Lastly, a strong solvent like methylene chloride may be required if resin is nearly set up.

## APPLICATION INSTRUCTIONS

Application of E2U Metallic Epoxy for a nominal 20 to 25 mil coating system is applied in a single coat.

1. Always apply in descending temperatures. Concrete is porous and traps air. In ascending temperatures (generally mornings) the air expands and can cause out gassing in the coating. It is safer to apply coatings in the late afternoon, especially for exterior applications.
2. Optimum ambient temperature should be between 55-90°F during application. Temperatures of 55°F and lower can slow cure times. Temperatures of 85°F and higher will speed up working and times.
3. Apply at approximately 50 SF/gal by immediately pouring out blended material until Bucket is empty.
4. Using a squeegee or brush or roller, pull E2U Metallic Epoxy at a uniform thickness over areas to be coated.
5. Make sure to use non-shedding phenolic (plastic) core paint roller.
6. Lastly, back roll in the opposite direction as step 5
7. Randomly spraying an activator such as denatural alcohol or acetone to achieve different look is optional, but not mandatory. The epoxy will flow and form it's own unique look on its own.

### WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slipresistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. E2U Flooring recommends the use of angular slipresistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions.

It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. E2U or its sales agents will not be responsible for injury incurred in a slip and fall accident.

### Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

### WARRANTY

E2U products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.

**KEEP OUT OF REACH OF CHILDREN**

## TECHNICAL DATA SHEET

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