

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 hours
Shelf life	12 months
USDA Food & Beverage	Meets Req.
Color of epoxy	Clear
Metallic Pigments Color	<ul style="list-style-type: none"> • Pearl • Silver • Titanium • Gun Metal • Ocean Blue • Sky Blue • Orange Gold • Wine Red • Brass • Penny • Copper • Lilac • Grape • Forest Green • Green Apple • Polar White • Canary • Bubblegum • Olive Yellow • Tangerine • Cinnamon

Packaging:

1.5 Gallon Kits:

Part A1gal.

Part B0.5 gal.

Metallic Powder 16 oz. jar.

PRODUCT DESCRIPTION

Epoxy Plus Countertop Epoxy is self-leveling, zero VOC, and 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 or hand sprayer. It meets USDA requirements for incidental food contact. This material cures blushfree 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	

TECHNICAL DATA SHEET

125 Broad Ave, Unit B13 North Bergen, NJ 07047
(888) 361-2641 WWW.EPOXYPLUS.COM



SURFACE 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 Quick Patch. After the patching material is cured, diamond grind patch. If another patching material is used, contact an Epoxy Plus 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. (if using) 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. Countertop Epoxy is designed to be immediately poured on the surface. Leaving mixed product in the container will greatly reduce pot life. Once poured out on the surface 30 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 Epoxy Plus Countertop 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.
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, brush, roller or by hand, pull the Countertop Epoxy at a uniform thickness over areas to be coated.
5. Make sure to use non-shedding phenolic (plastic) core paint roller (if using).
6. Lastly, back roll in the opposite direction as step 5 (if using).
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.

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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. Epoxy Plus 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. Epoxy Plus 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

Epoxy Plus 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

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY.

BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.