

METALLIC EPOXY

2 COMPONENT, 2 TO 1 MIX RATIO EPOXY



PRODUCT DATA

Volumetric Ratio	2 to 1
Solids	100% (+ or - 1%)
Coverage	60 SF/gal. at 26 mil
Application Temperature	55-90°F
Thinning	Not Required
Pot life	Up to 45 min.
Working Time on Floor	Up to 45 - 60 min.
Cure Time	12 hours (walking) 2 4 hours (light traffic)
Full Cure	5 to 7 days
Critical Re-Coat Time	24 hrs.
Shelf life	12 months
USDA Food & Beverage	Meets Req.
Color of epoxy	Clear
Packaging	
3 Gallon Kits	
Part A	2 gal.
Part B	1 gal.
Use with Metallic Powder	16 oz.

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	

PRODUCT DESCRIPTION

Epoxy Plus Designer Metallic Epoxy is a two component, high performance modified cycloaliphatic epoxy concrete floor coating system.

Its epoxy chemistry provides excellent bonding characteristics. Typically applied at a 26 mil thick single coat (60 SF/gal). This dynamic blend does not require activator to be sprayed on the surface to obtain a unique and highly decorative look.

RECOMMENDED FOR

Priming or coating concrete, wood or masonry. This product can withstand exposure to many common solvents and chemicals.

APPLICATIONS

The uniqueness and universality of Epoxy Plus's chemistry facilitates the applications where USDA Food & Beverage and other regulatory requirements must be obtained. Areas of use include: garage floors, showrooms, hotel lobbies & entryways, exhibition halls, restaurants, retail/commercial venues, residential and basements.

ADVANTAGES

- Essentially odorless
- Create dynamic, exotic looks
- Zero V.O.C.
- High gloss & color stability
- Low viscosity
- Long pot life & working time
- Chemically resistant
- No amine blush
- Modified to be highly ambering resistance

TECHNICAL DATA SHEET

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



CONCRETE PREPARATION

Before coating is applied, concrete must be:

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

Note: Mechanical preparation is the preferred method of preparing concrete for coating application. Shot-blasting, diamond grinding, scarifying and scabbling are all acceptable methods.

PATCHING

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. Patch concrete with Epoxy Plus Repair/Patch. After the patching material is cured, diamond grind patch. If another patching material is used, contact a 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 2 gallon of Part A with Metallic powder for 10 mins. Allow to stand for minimum of 5- 10min to help escape any air mixed in.
2. Add 1 gallon of Part B and mix for another 90-120 seconds.
3. Epoxy Plus 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, up to 45-60 minutes of working time can generally be expected.

CLEAN UP

Epoxy Plus epoxy, 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 Designer Metallic Epoxy for a nominal 20 to 30 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 65-75°F during application. Note: Cure times are affected by ambient and slab temperatures. Temperatures of 65°F and lower can slow cure times. Temperatures of 75°F and higher will speed up working and cure times.

3. Apply at approximately 60-65 SF/gal by immediately pouring out blended material in a wavy ribbon while walking and pouring at the same time until bucket is empty.

4. Using a squeegee on a pole, pull Epoxy Plus Designer Metallic Epoxy over areas to be coated.

5. Using a 3/8" non-shedding phenolic (plastic) core paint roller, roll coating forwards and backwards 2-3 times in different directions.

6. Randomly spraying an activator such as denatural alcohol or acetone to achieve a different look is optional. The epoxy will flow and form it's own unique look on its own.

7. Please visit www.epoxyplus.com to view installation videos. It is recommended that you do not start your installation until you familiarize yourself with all mixing and installation procedures.

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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 PlusFlooring recommends the use of angular slipresistant aggregate in all cflooaotrininggs soyrstems 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.