

EP-E300

WATERBASE EPOXY

2 COMPONENT, 4 TO 1 MIX RATIO



PRODUCT DATA

Volumetric Ratio: 4 to 1
Solids: 50% (+ or -1%)

Coverage: undiluted 300-400 SF/gal. Mixed with 64 oz. water to every pre-blended 1.25 gallon: 350-450sf/gal

TOP COAT OR BROADCAST:
Apply at 300-400 sf/gal undiluted
Primer coat cut up to 50% with water and apply at 350-450 sf/gal

Color Pigments:
WB Epoxy is available with standard premixed colors or in clear base with pourable pigment color kits.

- Stock Pigments Include:
- Clear
 - Light Gray
 - Medium Gray
 - Dark Gray
 - Tan
 - Beige
 - White
 - Black

Finish: Gloss

Packaging:
1.25 Gallon Kit:
Part A 1gal (128 oz)
Part B Quart (32 oz)

5 Gallon Kit:
Part A 4gal (512 oz)
Part B 1gal (128 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

A premium quality 2-component waterbased epoxy concrete primer that provides epoxy toughness, chemical resistance and durability with the convenience of a water base V.O.C. free system.

APPLICATIONS

The uniqueness and universality of Epoxy Plus’s epoxy chemistry facilitates the applications where USDA Food & Beverage and other regulatory requirements must be obtained. i.e. food manufacturing and preparation, pharmaceutical manufacturing and dispensaries, clean rooms, commercial kitchens, laboratories and more. Other areas of use include: garage floors, rest rooms, manufacturing facilities, automotive showrooms and schools etc.

ADVANTAGES

- Easy water clean-up
- Long pot life (3 hours)
- Excellent coverage-hide
- Fast drying (typically 30 mins - 2 hrs)
- Unsurpassed Adhesion
- V.O.C. Free

INSPECTION

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign matter. Surface must be roughed up or porous. This product is designed for use over untreated concrete surfaces free from wax, dusting preventive sealers, deep penetrating sealers, bond breaking compounds and release agents and other similar chemicals that will interfere with proper adhesion and lead to premature coating failures.

TECHNICAL DATA SHEET

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



SURFACE PREPARATION

Prepare surface by sanding, grinding, dry or wet sandblasting or shot blasting to achieve a clean, porous and uniform exposed aggregate finish with a CSP (Concrete Surface Profile) rating of "2" that will allow the product to penetrate the surface. Bead or shotblasting is the most reliable method of preparation. Clean surface entirely with TSP and rinse completely with water several times.

MILDEW

DO NOT PAINT OVER MILDEW. Mildew is a fungus, brown, black, gray or even white in color, and will rapidly grow through any coating applied over it. A solution of 50% household bleach and 50% water will kill the mildew. See precautions on bleach label for handling before using.

MIXING

MIX 4 PARTS "A" WITH 1 PART "B" IN BATCHES NO LARGER THAN 1.25 GALLON AT A TIME EXCEPT AS NOTED ABOVE UNDER "SELF PRIMING REQUIREMENTS". Top Coat: In a clean and dry bucket, mix 4 parts A and 1 part B together using an agitator, jiffy mixer or stir stick. Mix for at least 2 minutes or until completely combined. Prepare only the amount you can use in 2 hours in quantities of no more than 1.25 gallons at a time. Do not leave the mixed epoxy in the bucket longer than 2 hours.

CLEAN UP

Soap and water. (Before curing begins)

COVERAGE

300-450sf/gal

DRYING TIME/CURE TIMES

Under normal Conditions (70°F & 50% Humidity) dries to touch in 30 minutes to 2 hours depending on formulation. May be recoated when dry to the touch. Do not apply to surfaces when ambient or surface temperatures are below 50°F. Higher temperatures and lower humidity will accelerate cure times and reduce working time.

APPLICATION IN EXTREMELY HOT WEATHER

1. Dampen the floor surface to be coated. (Do not saturate)
2. In a large bucket, mix and prepare no more than a 1.25 gallon kit at time.
3. Pour entire mixture evenly onto the horizontal surface to be coated.

CONCRETE SURFACE PREPARATION

Concrete surfaces should be clean, dry, and free of disintegrating chalky material or previously applied coatings to insure satisfactory results. For proper adhesion surface must be mechanically ground or shotblasted to a uniform exposed aggregate finish with a CSP (Concrete Surface Profile) rating of 2. The surface profile should resemble 80 grit sandpaper to be suitable for coating.

APPLICATION INSTRUCTIONS

Begin applying the properly mixed epoxy always making sure to keep a damp edge until the floor is complete. Apply the material by brush or roller onto the surface as soon as possible after mixing. Use a 3/8" nap roller or squeegee to spread mixture over the surface evenly, backrolling the area to be coated. For best results apply at least 2 coats at 300-450 sq. ft. per gallon. Clean tools with soap and water before curing begins. To increase skid resistance, stir in an approved non-skid additive into your A & B mixture.

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WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Epoxy Plus Flooring 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.