



WATERBASED EPOXY

2 COMPONENT, 4 TO 1 MIX RATIO EPOXY

Product Data

Volumetric Ratio..... 4 to 1
Solids..... 50% (+ or - 1%)
Coverage 300-400 SF/gal. undiluted

Pot life: 90 min to 3 hours
Working time on floor:.. 30-45 minutes
Cure time: 30 mins to 2hours
Critical Recoat Window: 2 - 3 hours
depending on ambient temperature.

BROADCAST COAT:

Apply at 200 sf/gal undiluted
only if you are broadcasting
sand or flake to refusal.

Color Pigments

E2U 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
- White
- Black
- Tan
- Beige
- Tile Red
- Safety Red
- Safety Blue
- Safety Green
- Safety Yellow

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)

PRODUCT DESCRIPTION

A premium quality 2-component water base epoxy concrete sealer/primer that provides epoxy toughness, chemical resistance and durability with the convenience of a water based VOC free system. It is fast cure and easy to use. Zero VOC, clean up with water & soap. It provides excellent substrate penetration and it a suitable primer for most epoxies, urethanes and polyaspartic.

ADVANTAGES

- Easy water clean-up
- No odor
- Long pot life (3 hours)
- Excellent coverage-hide
- Fast drying (30 mins – 2 hrs)
- Unsurpassed Adhesion
- VOC Free

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	

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.

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. Diamond grinding is the most reliable method of preparation. Thoroughly vacuum surface clean and entirely, making sure to be 100% latience free.



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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.

In a clean and dry bucket, mix 4 parts A and 1 part B together using an agitator, jiffy mixer or stir stick. Mix slowly for at least 2 minutes or until completely combined. Prepare only the amount you can use in 3 hours in quantities of no more than 3 gallon at a time. Do not leave the mixed epoxy in the bucket longer than 4 hours.

APPLICATION INSTRUCTIONS

Immediately prior to application, dampen surface with a water sprayer. **Do not puddle or leave standing water**, spray only enough to darken concrete surface. Then begin applying the properly mixed epoxy always making sure to keep a damp edge ahead of the application until the floor is complete. For best results on horizontal surfaces, pour the entire mixture evenly onto the surface as soon as possible after mixing. Use a 3/8" nap roller or squeegee to spread mixture over the surface, back rolling the area to be coated. For best results apply at least 2 coats at 300 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.

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.

COVERAGE

300 - 400 sqft /gal

THINNING

When using this product as a Primer, thin slightly with water if necessary. To thin add up to maximum 32oz. of water to a preblended 1 gallon of Part A and Part B mixture and blend slowly and thoroughly.

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.

CLEAN UP

Soap and water. (Before curing begins)

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.

CAUTION! COMBUSTIBLE! KEEP OUT OF THE REACH OF CHILDREN.

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.



MADE IN THE USA

TECHNICAL DATA SHEET

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