



# WATERBASE URETHANE

2 COMPONENT, 3 TO 1 MIX RATIO EPOXY

## Product Data

Volumetric Ratio..Kit size 1Gal & 4gal  
 Solids Content..... 54%  
 Coverage..... 200 -300 SF/gal.  
 Pot Life..... 3 hours  
 Pot Life is reduced by increasing temperature and/or mass  
 Cure times (78 degrees, 30% R.H)  
 Dry to Touch.....4 - 6 hours  
 Recoat.....10 -12 hours  
 Light Traffic.....18 -24 hours  
 Full Cure.....5 -7 days  
 Higher Temp & Lower humidity will accelerate cure times. Lower temp & higher humidity will lengthen cure time.  
 VOC.....10g/l  
 Performance Properties  
 Gloss, Clear..... 91  
 Pendulum hardness, .....182  
 Tabor Abrasion-1000gm.Load  
 1000 cycles, CS17 Wheel .....32mg.loss

## Colors: Clear

Available Colors

- Light Gray
- Medium Gray
- Dark Gray
- White
- Black
- Tan
- Beige
- Mocha
- Tile Red
- Safety Red
- Safety Blue
- Safety Green
- Safety Yellow

## Finish:

Gloss or Matte (Satin)

**Packaging.....1gal kit & 4gal kit**

## Packaging

### 1 Gallon Kits:

Part A .....0.75gal.  
 Part B.....0.25gal

### 4 Gallon Kits:

Part A .....3gal.  
 Part B .....1gal

## PRODUCT DESCRIPTION

A premium 2-component Waterbase Urethane provides the equal superior performance to Polyaspartic without any odor, health or environmental issues. E2U Waterbase Urethane (WBU) is VOC compliant. It gives hard, durable coatings that features good gloss, superior abrasion resistance and UV resistance. E2U WBU has been formulated to offer a high performance finish coat for seamless flooring, coating and architectural concrete applications where odor and health concern are sensitive. Typical areas of application are hospitals, grocery stores, food processing areas, walkways, garage floor, parking structure, aircraft hangers and automotive repair facilities. Satin finish is available.

## ADVANTAGES

- Unsurpassed Adhesion
- Easy clean-up
- Long pot life (3 hours)
- Excellent coverage-hide

## 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 surface 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. Concrete surface can be acid etched and then must be neutralized and rinsed. Acid etching does not clean the surface.

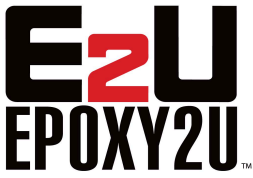
## MILDEW

*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 3 PARTS "A" WITH 1 PART "B" IN BATCHES NO LARGER THAN 4 GALLON AT A TIME.**

Top Coat: In a clean and dry bucket, mix 3 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 at 78F. (Higher temperatures reduce work time). Do not leave the mixed epoxy in the bucket longer than 4 hours.



# WATERBASED URETHANE

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## APPLICATION INSTRUCTIONS

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, backrolling the area to be coated. For best results apply at least 2 coats at 200 -250 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. To increase adhesion, dense or machine trowelled concrete surfaces should be prepared mechanically as described in surface preparation or etched with a solution of one part muriatic acid and two-parts clean water. The surface profile should resemble 80 grit sandpaper to be suitable for coating. Neutralize the surface by applying a mixture of 1 lb. baking soda mixed into 1 gal of water and rinse thoroughly. Clean all surfaces with T.S.P. and rinse with clean water.

## COVERAGE

Three (3) mil dry film at 200 sq. ft. per gallon. Six (6) mil dry film at 100 sq.ft. per gallon.

## THINNING

Materials are typically applied as received, but may be thinned with water up to 10% during application to keep a low viscosity. Any reduction water must be added after partA and B have been drill mixed.

## DRYING TIME/CURE TIMES

Under normal Conditions (70°F & 50% Humidity) dries to touch in 4 to 6 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 1.5 gallon kit at time.
3. Pour entire mixture evenly onto the horizontal surface to be coated.

## 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; wear protective gloves. Read Material Safety Data Sheet before using

## WARRANTY

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

## TECHNICAL DATA SHEET

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