



TECHNICAL DATA SHEET

# WATER BASED URETHANE

2 COMPONENT, 3 TO 1 MIX RATIO EPOXY

## 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. Matte finish is available.

## AVAILABLE COLORS

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

## PACKAGING

### 1 GALLON KIT

PART A \_\_\_\_\_ .75 GAL

PART B \_\_\_\_\_ .25 GAL

### 4 GALLON KIT

PART A \_\_\_\_\_ 3 GAL

PART B \_\_\_\_\_ 1 GAL

## SURFACE PREPERATION

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. Diamond grinding or shotblasting is the most reliable method of preparation. Clean surface entirely by means of thoroughly vacuuming and rinsing (optional) down the floor and allowing to dry.

## 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.

## PRODUCT DATA

Volumetric Ratio..Kit size 1Gal & 4gal  
 Solids Content \_\_\_\_\_ 54%  
 Coverage \_\_\_\_\_ 300-500 SF/gal.  
 Pot Life \_\_\_\_\_ 2 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

## FINISH

Gloss

## APPLICATIONS

- Pharmaceutical
- Food Prep/Kitchens
- Garage Floors
- Restrooms
- Manufacturing plants
- Aisle ways
- Hospital
- Auto showrooms
- Schools
- Laboratories
- Basements
- Kennels
- Veterinary facilities
- Restaurant
- Ramps
- Health Care facilities
- Retail Store
- Car wash facilities

## 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 urethane in the bucket longer than 4 hours .

## APPLICATION INSTRUCTIONS

For application, you can pour or spray the material. Use a 3/8" nap roller or squeegee to spread the mixture over the surface, back rolling the area to be coated.

## DRYING TIME/CURE TIMES

Under normal Conditions (70oF & 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 50oF. Higher temperatures and lower humidity will accelerate cure times and reduce working time .

## COVERAGE

At 300 SF/Gal dry Mil thickness "2"..... AT 500 SF/Gal "1" Mil

## 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.

## 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 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. To increase adhesion, dense or machine troweled concrete surfaces should be prepared mechanically as described in surface preparation. The surface profile should resemble 80 grit sandpaper to be suitable for coating.

### 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 slip-resistant 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.

### 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 USA**

**KEEP OUT OF REACH OF CHILDREN**