

## PRODUCT DESCRIPTION

E2U Polyaspartics is the next generation in two component, fast drying, Aliphatic Polyurea. While other Polyaspartics can only be applied between 5 and 6 mil, It features good abrasion and chemical resistance, and a cure time of four to six hours. It can be installed in extremely high or low temperatures. It is the ideal product when low odor, fast turnaround and a non-yellowing system are essential.

## ADVANTAGES

- Satin (matte) finish
- 4x more abrasion resistant than epoxy
- Non-yellowing
- Chemically resistant
- Low viscosity
- Solvent FREE
- Cure at temperatures just above Freezing
- High flowability

## AVAILABLE COLORS

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

## APPLICATIONS

- Pharmaceutical
- Food Prep/Kitchens
- Garage Floors
- Restrooms
- Manufacturing plants
- Aisle ways
- Airplane Hanger
- Auto showrooms
- Schools
- Laboratories
- Basements
- Kennels
- Veterinary facilities
- Locker rooms
- Ramps
- Health Care facilities
- Loading docks
- Car wash facilities

## PRODUCT DATA

Volumetric Ratio \_\_\_\_\_ 2 to 1  
 Volumetric Solids \_\_\_\_\_ 94%  
 Coverage \_\_\_\_\_ 350-400 sf/gal. at 5-6 mil  
 Application Temperature \_\_\_\_\_ 35°-95°F  
 Thinning \_\_\_\_\_ Not Required  
 Pot Life \_\_\_\_\_ 15-20 min.  
 Working Time on Floor \_\_\_\_\_ 15-20 min.  
 Cure Time \_\_\_\_\_ 4-6 hours  
 Cure Time \_\_\_\_\_ 24 hrs (light traffic)  
 Critical Re-Coat Time \_\_\_\_\_ 12 hrs  
 USDA Food & Beverage \_\_\_\_\_ Meets Req.  
 Shelf Life \_\_\_\_\_ 5-7 days

## TYPICAL PROPERTIES

PROPERTY	
Appearance	Clear Liquid
Total Solids(% by weight)	94
Total Solids (% by volume)	94
Surface Tension, Dynes/cm	40
Viscosity (Brookfield LVF), cps @ 25° C	600
Density (lbs/gallon)	8.32
Specific Gravity	1.0
Flash Point (C Pensky-Martens closed cup)	<70°F
Freeze/Thaw Stability	N/A
Thermal Stability (28 days @ 52° C)	No Effect
Mechanical Stability	Good
VOC (g/l)	0
VOC (by Weight)	0
Tg (C)	66
Tensile Strength, psi	7000
Elongation	8%

## PACKAGING

### 2 GALLON KITS

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

### 10 GALLON KITS

PART A \_\_\_\_\_ 5 GAL  
 PART B \_\_\_\_\_ 5 GAL

## CONCRETE PREPERATION

Before coating is applied, concrete must be:

- Dry – No wet areas
  - Clean – Contaminants removed
  - Profiled – Surface etched
  - Sound – All cracks and spalled areas repaired
- 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 Easy Patch. After the patching material is cured, diamond grind patch. If a non-patching material is used, contact a 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 Satin Polyaspartic is 2 to 1. 2 part A (resin) to 1 part B (hardener). Mix the following with a stir stick. Note: If using a drill mixer, use a low speed to prevent air entrapment.

1. Pour out 1 gallon of Part A into a clean bucket.
2. Add 1/2 gallon of Part B and mix for 2 minutes.

\*\*Do not store product in direct sunlight

## CLEAN UP

While in an un-reacted state, may be cleaned up with 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.

## FILM PROPERTIES

### PHYSICAL PERFORMANCE PROPERTIES OF DRY FILM

All tests were conducted on 2.0 to 2.5 mil films, and air-dried for 7 days at room temperature.

PROPERTY	VALUE
Hardness (Pencil/Sword)	2H/70
Taber Abrasion (mg loss per 100 cycles, CS-17 wheel, 1000 load)	52
Impact Resistance (Direct/Reverse)	140/140 (lbs)
Crosshatch Adhesion (Untreated Cold Rolled Steel/Untreated Aluminium)	100%/100%

### QUV WEATHEROMETER (ALCLAD ALUMINIUM 1000 HRS.)

PROPERTY	VALUE
Oxidation	No Effect
Loss of Gloss	Slight

### CHEMICAL RESISTANCE: 7-DAY SUBMERSION

PROPERTY	VALUE
Brake Fluid	No Effect
Transmission Fluid	Slight Discoloration
Coolant	No Effect
Power Steering Fluid	Slight Discoloration
Gasoline	No Effect
Battery Acid	Damaged
MEK	<200 Double Rubs
Acetone	<200 Double Rubs
Formula 409	<200 Double Rubs

### 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**