



# SKYDROL POLYASPARTIC

## 2-COMPONENT, 1 TO 1 MIX RATIO

### Physical Properties

Volumetric Ratio:..... 1 to 1  
 Volumetric Solids..... 93%  
 Coverage:..... 200 SF/Gal @ 8 mil  
 Application temperature: ..... 35-100°F  
 Thinning:..... Not required  
 Pot life:..... 10-15 minutes  
 Working time on floor:.. 15-20 minutes  
 Cure time:..... 10 hours (walking)  
                   ..... 24 hours (light traffic)  
 Working time on floor:.. 15-20 minutes  
 Critical recoat time:..... 10 - 14 hours  
 USDA Food & Beverage:.... Meets Req.

### Color: Clear

Available Colors:

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

### Packaging

#### 2 Gallon Kit:

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

### Packaging

#### 10 Gallon Kit:

Part A ..... 5 gal.  
 Part B..... 5 gal.

### PRODUCT DESCRIPTION

E2U Skydrol Polyaspartics is the next generation in two component, Aliphatic Polyaspartic. It has excellent penetration and bond strength to surface. It features excellent abrasion, impact and wear resistant. It is highly chemical resistant with hydraulic fluids. It has 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.

### APPLICATIONS

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

### ADVANTAGES

- Skydrol Resistant
- 4x more abrasion resistant than epoxy
- Non-yellowing
- Chemically resistant
- low viscosity
- Easy mixing ratio (1:1)
- Solvent FREE
- Cure at temperatures just above Freezing
- High flowability

### TYPICAL PROPERTIES

PROPERTY	VALUE
Appearance	Clear Liquid
Total Solids (% by Weight)	93
Total Solids (% by Volume)	93
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%



# SKYDROL POLYASPARTIC

2-COMPONENT, 1 TO 1 MIX RATIO

## FILM PROPERTIES

### PHYSICAL PERFORMANCE PROPERTIES OF DRY FILM

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

PROPERTY	VALUE
Hardness (Pencil / Sword)	2H / 70
Taber Abrasion (mg loss per 1000 cycles, CS-17 wheel, 1000 load)	90
Impact Resistance (Direct / Reverse)	140 / 140 (lbs)
Crosshatch Adhesion (Untreated Cold Rolled Steel / Untreated Aluminum)	100% / 100%

### QUV WEATHEROMETER (ALCLAD ALUMINUM 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
Battery Acid	Damaged
MEK	<200 Double Rubs
Acetone	<200 Double Rubs
Formula 409	<200 Double Rubs

## CONCRETE PREPARATION

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 SKYDROL POLYASPARTIC is 1 to 1. 1 part A (resin) to 1 part B (hardener). Generally, one mixed gallon is ideal for application. 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 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.

### 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.

**KEEP OUT OF 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

4602 S 36th St • Phoenix AZ 85040 • 855.EPOXY2U (376.9928) • www.Epoxy2U.com

Revised Sep 2019