

## PRODUCT DESCRIPTION

E2U POLYUREA-Basecoat RC is the next generation of 2-component, fast-drying, high-solids, aliphatic Polyaspartic. It has excellent resistance to a broad range of chemicals such as inorganic acids, alkalis, amines, salts and solvents. E2U POLYUREA-Basecoat RC formula provides non-yellowing and long-term gloss retention for interior/exterior applications. It is the essential product when a project needs a fast turnaround, a highly UV resistance, low VOC and flexible system. The cure time is 60 to 90 minutes.

## PRODUCT DATA

Volumetric Ratio \_\_\_\_\_ 2 to 1  
 Volumetric Solids \_\_\_\_\_ 85%

Coverage over Smooth \_\_\_\_\_ 150-225 sqft/gal. at 8 mil  
 Application Temperature \_\_\_\_\_ 35°-100°F  
 Thinning \_\_\_\_\_ Not Required  
 Pot Life \_\_\_\_\_ None  
 Working Time on Floor \_\_\_\_\_ 10-15 min.  
 Cure Time \_\_\_\_\_ 60-90 mins (walking)  
 Critical Re-Coat Time \_\_\_\_\_ None  
 Shelf Life \_\_\_\_\_ 12 months  
 USDA Food & Beverage \_\_\_\_\_ Meets Req.

## AVAILABLE COLORS

- Light Gray
- Tan

## APPLICATIONS

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

## ADVANTAGES

- High Gloss (just like glass) & Build
- 4x more abrasion resistant than epoxy
- Non-yellowing
- Chemically resistant
- Scratch, abrasion resistant
- Easy mixing ratio (2:1)
- Fast Cure Time 2 hours
- Cure at temperatures just above Freezing
- Does not support the growth of bacteria or fungus

## PHYSICAL PROPERTIES

PROPERTY	VALUE	PROPERTY	VALUE
Appearance	Lt gray, Beige	Freeze/Thaw Stability	N/A
Total Solids (% by weight)	85	Thermal Stability (28 days @ 52°C)	No Effect
Total Solids (% by volume)	85	Mechanical Stability	Good
Surface Tension (Dynes/cm)	40	VOC (g/l)	0
Viscosity (Brookfield LVF), cps @25°C	600	VOC (by weight)	0
Density (lbs/gallon)	8.32	Tg (C)	66
Specific Gravity	1.0	Tensile Strength, psi	7000
Flash Point (C Pensky-Martens closed cup)	<70°F	Elongation	8%

## PACKAGING

### 2 GALLON KITS

PART A \_\_\_\_\_ 1.33 GAL  
 PART B \_\_\_\_\_ 0.67 GAL

## CONCRETE PREPERATION

**Before coating is applied, concrete must be:**

- Dry – No wet areas
  - Clean – Contaminants removed
  - Profiled – Surface Grinded to CSP of "2"
  - Sound – All cracks and spalled areas repaired
- Mechanical preparation is the preferred method of preparing concrete for coating application. Preparation must be done by shotblasting or diamond grinding. Do not acid etch.

## REPAIR CRACKS

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.

## MOISTURE VAPOR EMISSIONS WARNING

All concrete floors without effective moisture vapor barrier are subject to possible moisture vapor transmission that may cause blistering and failure of the coating system. It is the applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine vapor emissions prior to applying any coating. E2U can supply moisture remediation products MVB15 (MOISTURE VAPOR BARRIER) that are up to 15 lbs. E2U sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

## MIXING

The ratio of E2U Polyaspartic-Basecoat RC is 2 Part A to 1 Part B by volume. Mix for 1 full minute using a slowspeed drill, scraping the bottom and sides of the mixing container. Mix only that amount which can be spread in 20 minutes.

## 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

**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**