POLYASPARTIC 85 SLOWCURE

TECHNICAL DATA SHEET

2 COMPONENT | 1 TO 1 MIX RATIO

PRODUCT DESCRIPTION

E2U Polyaspartic ULTRA has essentially zero odor. The ideal applications are hospitals, restaurants, kennels, veterinary facilities, health care facilities, and garages etc. It is a twocomponent, extremely chemical resistant. and non-yellowing aliphatic polyaspartic. It features high gloss, high build, and a cure time of 48 hours, and generally return to service in 72 hours. It can be installed in extremely high or low temperatures. E2U Polyaspartic Slow Cure is the ideal product for use on large scale projects or where an excessive amount of "cut in" is required.

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
- Clean Rooms
- Auto showrooms
- Schools
- Laboratories
- Basements
- Kennels
- Veterinary facilities
- Locker rooms
- Ramps
- Health Care facilities
- Loading docks
- Car wash facilities

PACKAGING

2 GALLON KITS

PART A — 1 GAL

PART B — 1 GAL

10 GALLON KITS

PART A — 5 GAL

PART B — 5 GAL

ADVANTAGES

- High Gloss (just like glass) & Build
- 4x more abrasion resistant than epoxy
- Non-yellowing
- Chemical, scratch, abrasion resistant
- Easy mixing ratio (1:1)
- Solvent FREE
- Cure at temperatures just above Freezing
- Does not support growth of bacteria or fungus.

PRODUCT DATA

Volumetric Ratio	1 to 1
Volumetric Solids	85%
Coverage	– varies on type of surface you're coating. Contact Support
Application	35°-100°F
Temperature Thinning	Not Required
Pot Life	5-10 min.
Working Time on Floor	20 to 30 min.
Cure Time (walking)	48 hrs
Return to Service(vehicle)	72-96 hours
Critical Re-Coat Time	NONE
USDA Food & Beverage	Meets Req.

TYPICAL PROPERTIES

PROPERTY	
Appearence	Clear Liquid
Total Solids(% by weight)	85
Total Solids (% by volume)	85
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%

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CONCRETE PREPERATION

Before coating is applied, concrete must be:
- **Dry – No wet areas**
- **Clean – Contaminants removed**
- **Profiled – 30 Grit Diamond Grinding**
- **Sound – All cracks and spalled areas repaired**

Mechanical preparation is the preferred method of preparing concrete for coating application. Shot-blasting, diamond grinding, 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.

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. Epoxy2U can supply moisture remediation products, MVB15 (MOISTURE VAPOR BARRIER). EPOXY2U, sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

MIXING

The ratio of Polyaspartic 85 is 1 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 30 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.

NOTE: High Humidity will accelerate work time dramatically. Be cautious when applying on High Moisture Days.

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.

KEEP OUT OF REACH OF CHILDREN

MADE IN USA