



POOL POLYASPARTIC

2 COMPONENT | 1 TO 1 MIX RATIO POLYASPARTIC

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

E2U Pool Polyaspartic 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 Pool Polyaspartic 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. It has a long working time. The cure time is 8-10 hours.

PRODUCT DATA

| | |
|-----------------------|---------------------------|
| Volumetric Ratio | 1 to 1 |
| Solids | 85%(+/- 1%) |
| Coverage over Smooth | 225-250 sqft/gal at 8 mil |
| Application Temp | 35°-100°F |
| Thinning | Not Required |
| Pot Life | 10-15 min. |
| Working Time on Floor | 25-30 min. |
| Cure Time | 48 HOURS |
| Shelf Life | 12 months |
| USDA Food & Beverage | Meets Req. |
| Critical Re-Coat Time | NONE |

AVAILABLE COLORS

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

PACKAGING (A&B)

| | |
|----------------|-----------|
| 1.5 Gallon Kit | 0.75 GAL. |
| 2 Gallon Kit | 1 GAL. |
| 10 Gallon Kit | 5 GAL. |

TYPICAL PROPERTIES

| PROPERTY | VALUE |
|---|--------------|
| Appearance | 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 |

| PROPERTY | VALUE |
|------------------------------------|-----------|
| 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 – Primarily applied to inside of pools or ponds so the surface must be thoroughly sanded. If use is different consult E2U Technical Support.
- Sound – All cracks and spalled areas repaired

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. 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 POOL POLYASPARTIC 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. **NOTE: NEVER APPLY POLYASPARTIC AT LESS THAN 150 SQFT PER GALLON. IF YOU DO HAVE TO APPLY AT THAT THICKNESS ALLOW A MINIMUM OF 72 HOURS TO CURE BEFORE RETURN TO SERVICE.**

CLEAN UP

POOL POLYASPARTIC, WHILE IN AN UN-REACTIONED STATE, MAY BE CLEANED UP WITH HOT 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.

APPLICATIONS

- Pharmaceuticals
- Food Prep/Kitchens
- Restrooms
- Aisle Ways
- Clean Rooms
- Laboratories
- Basements
- Kennels
- Veterinary Facilities
- Locker Rooms
- Ramps
- Health Care Facilities
- Car Wash Facilities

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 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.

KEEP OUT OF REACH OF CHILDREN

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) | 52 |
| Impact Resistance (Direct/Reverse) | 140/140 (lbs) |
| Crosshatch Adhesion (Untreated Cold Rolled Steel/Untreated Aluminum) | 100%/100% |
| Max Heat Resistance | 150°F |

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 | Slight Discoloration |
| Coolant | No Effect |
| Power Steering Fluid | Slight Discoloration |
| Gasoline | No Effect |
| Battery Acid | Damaged |
| MEK | <200 Double Rubs |
| Acetone | <200 Double Rubs |

APPLICATIONS

- High Gloss & Build
- Solvent Free
- Non-Yellowing
- Chemical, Scratch, Abrasion Resistant
- Essentially Zero Odor
- Easy Mixing Ratio (1:1)
- 4x More Abrasion resistant than epoxy
- Cures at temps just above freezing
- Does not support growth of bacteria or fungus.

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