



TECHNICAL DATA SHEET

RS POLYASPARTIC 85

PRODUCT DESCRIPTION

RS Polyaspartic 85 has essentially zero odor. The ideal applications are hospitals, restaurants, kennels, veterinary facilities, health care facilities, and garages etc. It is a two component, extremely chemical resistant, and non-yellowing aliphatic Polyaspartic. It features high gloss, high build, and a cure time of 4 to 6 hours, and generally return to service in 24 hours. It can be installed in extremely high or low temperatures. RS Polyaspartic 85 is the ideal product when extremely low odor, durability and UV stable system are required.

AVAILABLE COLORS

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

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
- 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 |
| Solids | 85% |
| Coverage | varies on type of surface you're coating. Contact Support |
| Application | 35°-100°F |
| Temperature Thinning | Not Required |
| Pot Life | 5-7 min. |
| Working Time on Floor | 15-20 min. |
| Cure Time | 10 hrs (walking) 24 hrs (light traffic) |
| Critical Re-Coat Time | NONE must screen |
| (After full cure surface MUST be sanded prior to next coat.) | |
| USDA Food & Beverage | Meets Req. |

TYPICAL PROPERTIES

PROPERTY

| | |
|---|--------------|
| 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 |
| 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 |

1.5 GALLON KITS

| | |
|--------|----------|
| PART A | 0.75 GAL |
| PART B | 0.75 GAL |

10 GALLON KITS

| | |
|--------|-------|
| PART A | 5 GAL |
| PART B | 5 GAL |



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CONCRETE PREPERATION

Before coating is applied, concrete must be:

- Dry – No wet areas
- Clean – Contaminants removed
- Profiled – Surface must be diamond ground to a CSP (Concrete Surface Profile) rating of "2"... Roughly the feel of 100 Grit Sandpaper.
- Sound – All cracks and spalled areas repaired

Note: Mechanical preparation is the preferred method of preparing concrete for coating application. Shot-blasting, diamond grinding, scarifying and scab-bling are all acceptable methods.

REPAIR CRACKS

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. E2U Joint Filler (Crack Repair) and/or E2U Rapid Mender to fill cracks and imperfections. After the materials are cured, diamond grind patch. If another patching material is used, contact a RESIN SUPPLY 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. RESIN SUPPLY can supply moisture remediation products MVB15 (MOISTURE VAPOR BARRIER) that are up to 15 lbs. RESIN SUPPLY, sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

MIXING

The ratio of RS Polyaspartic 85 is 1 Part A to 1 Part B by volume. Mix for 1 full minute using a slow-speed drill, scraping the bottom and sides of the mixing container. Mix only that amount which can be spread in 30 minutes.

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. RESIN SUPPLY 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. RESIN SUPPLY or its sales agents will not be responsible for injury incurred in a slip and fall accident.

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

| 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% |

PROPERTY

| PROPERTY | VALUE |
|---------------|-----------|
| Oxidation | No Effect |
| Loss of Gloss | Slight |

PROPERTY

| 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 |

CLEAN UP

RESIN SUPPLY Epoxy, while in an un-reacted state, may be cleaned up with hot water and degreaser. Isopropyl alcohol or acetone may be needed once the resin begins hardening.

SPECIAL NOTE

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

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

RESIN SUPPLY products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.



MADE IN USA