

**DESCRIPTION:**

**EasyPoly®** is an 89% solid, two component, aliphatic MDI and multifunctional blend formulated in Polyurea/Aspartic as a slow cure system for warm, humid conditions, with excellent ease of use. High humidity will shorten the set time of many aliphatic aspartic products. **EasyPoly® Slow Cure Low Odor** is formulated to work with the high heat and humidity to allow more working time while still providing the excellent results as found in other faster cure products. The polymer structure is very clear and may be pigmented, is non-yellowing, very tough, excellent color retention, good chemical resistance with excellent adhesive properties. **EasyPoly®** is a reactive two component system highly resistant to staining and marking.

**EasyPoly®** systems are "roll-down" Polyurea/Aspartic products that are a clear finish coat with good elongation and flexibility.

**EasyPoly®** systems do not become brittle as other aspartic products and are completely Aliphatic or UV resistant with excellent color stability. **EasyPoly®** aliphatic product systems conform to the requirements of the USDA for incidental food contact and are formulated to be non-color changing, abrasive resistant, non-brittle, flexible, quick set with impact resistance.

**GENERAL PHYSICAL CHARACTERISTICS PREPARATION:**

<b>Solids</b>	89%
<b>Shelf Life</b>	1 year store indoors 55°F-85°F dry location
<b>Potlife @ 70°F</b>	>35-45 Min.
<b>Hardness ASTM D2240</b>	Shore D 60
<b>Mix Ratio</b>	1:1
<b>Tack Free ASTM D2471</b>	> 4 hrs.
<b>Tensile ASTM D412</b>	>4000 psi
<b>Tear Strength D470</b>	850 lbs./in.
<b>Abrasion (CS17) ASTMD4060-90</b>	4.0mg/1000/500 cycles
<b>Gel Time (surface applied)</b>	>30 min @ 75°F
<b>Permeability ASTM E96 (WVT)</b>	0.053grms/hr/sqft
<b>Elongation ASTM D124</b>	12%
<b>Processing Temperature</b>	70°F
<b>Viscosity @ 25°C cps</b>	450+/-50
<b>UV Resistant</b>	High
<b>Compressive Strength</b>	8 hrs. -7300 psi 24 hrs. -11,200 psi, 7 days -14,100 to 19,000 psi

**CHEMICAL RESISTANCE POLYASPARTIC SYSTEMS:**

<b>Chemical</b>	<b>24 hrs. 7 days</b>	
<b>10% Acetic Acid</b>	+	- Yellowing
<b>100% Ethanol 200 proof</b>	+	+
<b>50% Sulfuric Acid</b>	+	+
<b>38% Hydrochloric Acid</b>	+	+
<b>10% NaCl</b>	+	+
<b>28% Ammonia</b>	+	+
<b>85% Lactic Acid</b>	+	- Down Gloss
<b>5% to 10% Clorox Bleach</b>	+	+
<b>Citrus Cleaning Solvent</b>	+	- Slight Blisters
<b>Skydrol PE-5</b>	+	+
<b>Power Steering Fluid</b>	+	+
<b>Transmission Fluid Dextron</b>	+	+
<b>Motor Oil</b>	+	+
<b>Brake Fluid</b>	+	- Slight Blisters
<b>Unleaded Gasoline</b>	+	+
<b>Mek</b>	-	-
<b>Xylene</b>	-	--
<b>Tap Water, Coffee, Cola, Grape Juice, Ketchup</b>	+	+
<b>Mustard Yellowing</b>	-	- Transient

" + " Positive Results      " - " Negative Results

**SURFACE PREPARATION:**

The concrete surface must be deemed mechanically and structurally sound, completely clean, and dry. Concrete must have a minimum 28-day cure prior to application. Remove any curing agent, form release materials, oils, wax, moisture or any material that may affect bonding. Clean and wash to remove contaminants and maintain pH 8.0-11.0. \*\*Provide rough profile minimum 2 mils. Review ASTM D4259 "Abrading Concrete" and ASTM F1869 Measuring Moisture Vapor Emission. To achieve the above desired results, a mechanical grinding method should be performed to an approximate 20 - 40 grit profile to insure flatness of the substrate, to remove surface impurities, and to profile the surface of the floor.

**MIXING:**

If mixing less than a full kit, mix **Part A & Part B** separately with a stir stick, low speed mixer, or vigorously shake container prior to blending the smaller kit to ensure uniform distribution of all ingredients. Proper mixing is pertinent to application success. In equal parts (1:1), mix **Part A** and **Part B** using a clean, dry mixing container. Stir or slow speed mix the contents for approximately 60-90 seconds. Avoid over-mixing or creating a vortex which could introduce moisture content to the mixture. No induction time is required prior to use, nor after mixing. If integrating anti-skid media agents, only do so after **Parts A & B** have been thoroughly mixed.

**ADDING PIGMENT:**

Use 12 to 14 ounces of pigment per 2 gallons of **EasyPoly®**. Only use pigments provided by **ResinForce®**. Do not use other pigments as they are not formulated with the proper base materials that are compatible with the **EasyPoly®** products. Do not overload the **EasyPoly®** with pigment, use the minimum amount of pigment for the desired effect. When adding pigment to the mix of **EasyPoly®** as a base coat is it helpful to add about 3-4 ounces of Xylene per mixed gallon of product and pigment mix. The addition of the solvent helps with dispersion of the pigment and with penetration into the substrate. Colors: Tan, Wheat/Straw, Pearl Gray, Fog Gray, Medium Gray, and Black. White is also available for adding to the above colors as desired.

**PRIMING:** **EasyPoly®** is self-priming. For concrete that requires a primer use our **MVB** or **RF100**.

**MOISTURE VAPOR REDUCTION:**

Use **ResinForce®'s MVB** to reduce moisture vapor drive. Efflorescence or white powder-like material visible on the concrete slab indicates moisture vapor drive. See **MVB** data for efflorescence treatment. Damp conditions prime using **ResinForce®'s MVB** product.

**COLD TEMPERATURES:**

When environmental conditions are cool or cold and the ambient temperature is about 50° F, use the faster **EasyPoly®** systems.

**CURE TIME PROPERTIES:**

BASED ON 70° - 80° F @ 50% RH\*

<b>POT LIFE:</b>	35-45 Minutes	<b>GEL TIME:</b>	>30 Minutes	<b>TACK FREE:</b>	4 Hours
<b>RE-COAT TIME:</b>	60-120 Minutes	<b>LIGHT FOOT TRAFFIC:</b>	4-8 Hours	<b>HEAVY FOOT TRAFFIC:</b>	24-48 Hours

\*\*Please Note: Higher temperatures and higher humidity will shorten pot life and cure times. Likewise, colder temperatures and/or lower humidity will extend the pot life and cure times.

**COVERAGE RATE:**

Over a full flake broadcast, apply 135-160 ft<sup>2</sup> per gallon. Over smooth body coating, apply 150-200 ft<sup>2</sup> per gallon. If applying 2 thin coats, apply first coat 200-300 ft<sup>2</sup> per gallon, second coat 250-350 ft.<sup>2</sup> per gallon as soon as first coat can be walked on. Coverage rates may vary depending upon surface porosity, texture, and application method. Do not apply thicker than 10-15 mils at one time. Excessive build up should be avoided.

**APPLICATION INSTRUCTIONS:**

Use a 3/8" synthetic nap, phenolic core roller, or a lambs wall cover for pigmented, stained floors, or media coats. Use a squeegee and back roll with the roller over media floors (chips). It is recommended to use 18"-26" wide squeegees and rollers for larger areas. Please note that the use of pump up style spray bottle may create visible bubbles, blisters, and pinholes and is not recommended. \*Please note that low air or concrete temperatures and/or relative humidity may extend drying times. Slow Cure Polyaspartic should be applied within temperature ranges of 45°- 90°F for proper curing times. Follow suggested coverage rates for best results. Applying polyaspartic outside of the suggested parameters may result in job failure. It is always recommended to test the product in a small, inconspicuous area on the same concrete substrate for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. Coating may darken surface. Coating may cause surface to be a slip hazard or slippery when wet. A slip resistant additive may be added to help prevent slip hazards.

**FOR PROFESSIONAL USE ONLY!**

This data sheet provides typical properties for **ResinForce® Products, LLC**. Before using this product, the user is advised and cautioned to make their own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. Please consult our SDS for further safety information.