EasyPoly®
Matte Finish Fast Cure 6H Low Odor

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DESCRIPTION:

EasyPoly® Matte Finish Fast Cure Low Odor Polyaspartic is an 85% solids, three component, Aliphatic multifunctional polyurea/aspartic amine blend specifically designed as a 100% pure polyurea roll down system. The Polymer structure is very clear, non-yellowing, very tough with excellent color retention and high chemical resistance, and has excellent adhesive properties. The ***EasyPoly® Matte Finish Low Odor*** "roll down" polyurea is used as a clear elastomeric finish coat with good elongation This ***EasyPoly®*** aliphatic product conforms to the requirements of USDA for incidental food contact and it is formulated to be non-color changing, tough, abrasive, resistant, non-brittle, flexible, and quick set with high impact resistance.

TECHNICAL PROPERTIES:

Easy Poly® Matte Finish Fast Cure 6H Low Odor Properties: Based on 75°F @ 50% RH*

Pot Life..... 10 - 15 Mins	Gel Time..... 20 Mins
Tack Free..... 45 - 80 Mins	Re-Coat Time..... 1 - 2 Hours
Foot Traffic..... 5 - 8 Hours	Heavy Traffic..... 12 - 24 Hours*

**Note: Higher temperatures and humidity will shorten pot life and cure times. Colder temperatures and/or lower humidity will extend pot life and cure times*

SURFACE PREPARATION:

The concrete surface must be deemed mechanically and structurally sound, thoroughly clean of debris, oils, fats, waxes, sealers, curing agents, and other contamination. New concrete must be fully cured for a minimum of 28 days. Compressive strength of concrete should be at least 3,500 psi (24 Mpa) @ 28 days and at least 215 psi (1.5 Mpa) in tension at time of product application. Compression resistance of concrete must be at least 25 MPa (3625 lbs./inch2) after 28 days and traction resistance must be at least 1,5 MPa (218 lbs./inch2). Do not apply to wet concrete. Chloride, moisture, and pH levels should be checked prior to application. Mechanically prep the concrete surface by shot blasting or diamond grinding with 30 grit or coarser diamonds to achieve a dust free CSP-3 profile, which is required to remove the surface laitance that appears during the concrete finishing and curing process and obtain maximum mechanical bond. Substrate and material temperature should be 59°F - 86°F with a maximum relative humidity of 85%. If applied outside these limits the coating may have excessive air entrapment, bubbles, blisters, blushing, hazing, curing issues, or adhesion issues. All cracks and substrate imperfections should be filled and repaired with ***ResinForce® EasyMend®*** prior to application.

MIXING:

Materials should be at least 50°F prior to use. Pre-mix **Part A** and **Part B** separately with a slow speed mixer for 1-2 minutes prior to combining components together to ensure uniform distribution of raw materials. Pour 1 Part of **Part A** into 1 Part of **Part B** by volume, then mix with a helix or jiffy mixer for 2-3 minutes at 300-450 rpm LOW SPEED, scooping sides, bottom, and all around for a good uniform mix. While mixing, ADD MATTING AGENT (**Part C**) powder bag and ensure full saturation while mixing. Avoid high speed mixing which will cause entrapment of air during mixing. Make sure to scrape the walls and bottom of container with straight edged trowel or mixing stick at least once to ensure homogeneous mix. Do not mix more material than can be applied within working time limits. For best results, pour contents into a separate clean container and mix again for 30 seconds to avoid any unmixed material clinging to walls of the container. Avoid creating a vortex in the material which could introduce air and/or moisture content to the mixture. Immediately pour contents out of the pail onto the floor to begin spreading. Discard the pail promptly, do not leave it tilted upside down on the floor.

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***.

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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.

COVERAGE RATE:

Primer Direct to Concrete: 150 – 265 sq ft per gallon (6-11 mils)
Top Coat over Full Broadcast Flake Floors: 130 – 200 sq ft per gallon (8-12 mils)
Top Coat over Metallic Floors: 130 – 200 sq ft per gallon (8-12 mils)
Grout Coat over Full Broadcast Quartz: 100 – 150 sq ft per gallon (11-16 mils)

APPLICATION INSTRUCTIONS:

Apply mixed material by pouring onto the surface and spread with a flat squeegee or small notch squeegee. Then back roll with an 18" lint free shedless 3/8" nap roller. Avoid creating puddles. Use a brush or small roller for corners and areas hard to maneuver larger squeegees/rollers. If the material becomes thick while applying and sticking to the application tools, stop applying and discard the mixed material. At this point it has reached the end of the usable pot life.

Subsequent overlaps must be applied when primer is still wet or tacky. If primer has dried, reprime. Porous substrates may require multiple priming.

Clean-up tools and equipment with Xylene. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

WARRANTY

All statements, recommendations and technical information contained in this document are accurate to the best knowledge of ***ResinForce® Products, LLC***. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify the suitability of this information for their own particular use, and to test this product before use. ***ResinForce® Products, LLC*** assumes no legal responsibility for use upon this data. ***ResinForce® Products, LLC*** assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product or refund the purchase price as set out in the purchase agreement.

EASYPOLY® MATTE FINISH FAST CURE 6H LOW ODOR
PART A INGREDIENT DISCLOSURE:

CAS 28182-81-2	HDI oligomers, isocyanurate
CAS 822-06-0	hexamethylene-di-isocyanate
	Proprietary blend of no HAP Materials

EASYPOLY® MATTE FINISH FAST CURE 6H LOW ODOR
PART B INGREDIENT DISCLOSURE:

CAS 623-91-6	diethyl fumarate
	Trade Secret Modified Amine
	Proprietary blend of no HAP materials

EASYPOLY® MATTE FINISH FAST CURE 6H LOW ODOR
PART C INGREDIENT DISCLOSURE:
Trade Secret

FOR MORE INGREDIENT INFORMATION VISIT WWW.RESINFORCE.COM

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GENERAL PHYSICAL CHARACTERISTICS PREPARATION:

Solids	89%
Shelf Life	1 year store indoors 55°F-85°F dry location
Potlife @ 70°F	>35-45 Min.
Hardness ASTM D2240	Shore D 60
Mix Ratio	1:1
Tack Free ASTM D2471	> 4 hrs.
Tensile ASTM D412	>4000 psi
Tear Strength D470	850 lbs./in.
Abrasion (CS17) ASTMD4060-90	4.0mg/1000/500 cycles
Gel Time (surface applied)	>30 min @ 75°F
Permeability ASTME96 (WVT)	0.053grms/hr/sqft
Elongation ASTM D124	12%
Processing Temperature	70°F
Viscosity @ 25°C cps	450+/-50
UV Resistant	High
Compressive Strength	8 hrs. -7300 psi 24 hrs. -11,200 psi, 7 days -14,100 to 19,000 psi

CHEMICAL RESISTANCE POLYASPARTIC SYSTEMS:

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

" + " Positive Results " - " Negative Results