

Polyurea Rollable Basecoat

Polyurea Rollable Basecoat (RBC) is a 100% solids by volume, ZERO VOC, self-priming, rollable polyurea basecoat. It allows the user a 10-15 minutes of working time during application while drying in 45-75 minutes. It functions as a basecoat/primer for quartz or chip broadcast flooring systems. This seamless system is stain resistant and exhibits extraordinary performance characteristics when applied over rigid substrates.

APPLICATIONS

- Hospital and Health Care Facility Floors
- Auto Showrooms
- Chemical Plants
- Educational and Institutional Floors
- Interior or Exterior Applications
- Manufacturing Facilities
- Residential, Commercial and Industrial Floors

PRODUCT ADVANTAGES

- Extended Working Time with Rapid set times
- Low odor
- Meets USDA Approvals
- ZERO VOC

*Values given are not intended to be used in specific preparation

Component Properties

Color - ISO	Amber
Color - POL	See Isotec color chart
Mixed Viscosity - ASTM D-2196 - (74°F)	800 - 2000 cps
% Solids - by Volume	100 %

Reactivity Profile

Ratio by Volume - ISO:POL	1 - 1
Pot Life - 100g	30 - 45 Minutes
Tack Free Time	45 - 75 Minutes
Full Cure	2 - 3 Days
Return to Service - Foot Traffic	4 - 8 Hours
Recoat Window	1 - 18 Hours
Working Time	10 - 15 Minutes

Typical Physical Properties

Hardness - ASTM D2240 - Shore D	50 - 55 D
Tear Strength - ASTM D624, Die C	250 - 350 pli
Tensile Strength - ASTM D412	1500 - 2500 psi
Elongation - ASTM D412	30 - 50 %
VOC	0 g/L
Recommended Film Thickness	6 - 12 mils

RECOMMENDED HANDLING INSTRUCTIONS

• **COVERAGE:** The approximate coverage is 1 gallon/150-160 square feet (10 mils). Coverage rate may vary if applied direct to porous concrete.

• **PACKAGING:**

This product is available in 2 gallon kits, 10 gallon kits, and 100 gallon kits.

• **PRODUCT MIXING:**

This product has a 1:1 mix ratio, or one part Resin to one part Activator by volume. Packaging is in pre-measured kits and should be mixed as supplied in the kit.**Pre-mix both the activator and resin for at least 3-5 minutes until they are both streak free and all material in the container is incorporated.** Once the resin and activator properly pre-mixed, combine and mix well with slow speed mixing equipment, such as a jiffy mixer, thoroughly for 3-5 minutes until it is well mixed and streak free. Do not over mix or lift mixer in an up and down motion while mixing. This can cause air entrapment resulting in bubbles in the coating. Improper mixing may result in product failure. This material can be thinned with dry acetone.

• **PRIMING:**

This product is self priming and shows great adhesion to well prepared concrete.

• **PRODUCT APPLICATION:**

The mixed material can be applied by brush, roller, or serrated squeegee and back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. This material has a short working time (10-15 min) and should be rolled out as soon as it is placed on the floor. This material also has a long pot life (1hr+), a skin will form on the pot after 30-45 minutes, but the material underneath the skin is still completely viable. The ideal application thickness for this material is between 6-12 mils.

• **RECOAT OR TOPCOATING:**

Prior to recoating, you must first be sure that the coating has tacked off before recoating. However, if the recoat window has passed, previous coats should be de-glossed by sanding to insure a better mechanical bond prior to application of topcoats.

• **RESTRICTIONS:**

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

• **LIMITATIONS:**

Color or gloss may be affected by environmental conditions like humidity, temperatures, chemicals or lighting such as sodium vapor lights.

Check the lot number on the container and only use product from the same lot for an entire job.

Because of the short pot life and dry time, attention should be given to the trim work and tie-in areas to keep a wet edge so as to avoid roller marks, differences in color or shading problems.

Substrate temperature must be a minimum of 35°F

Physical properties are typical values.

STORAGE

PRODUCT STORAGE: Store product at normal room temperature before using. Continuous storage should be between 60°F and 90°F. Low temperatures or temperature fluctuations may cause crystallization.

SHELF LIFE: 1 Year in unopened containers

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SAFETY

Refer to the product SDS for all relevant safety information.

Date Modified

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