

RP-100 Anti-Slip Coating

Pedestrian Grade Single Component Epoxy Floor and Deck Coating

Product Description

RP-100 is a single component modified epoxy anti-slip floor and deck coating engineered to resist heavy pedestrian traffic. It is easy to apply and offers excellent adhesion to concrete, wood and metal surfaces. RP-100 is easy and economical to use since it is a one component product and can be resealed for future use.

RP-100 resists oil, gasoline, acids, caustics and most solvents.

RP-100 has been formulated to meet the strict requirements of South Coast Air Quality Management District Rule 1113.

RP-100 is USDA acceptable.

Surface Preparation

Concrete: Remove oil, grease, dirt, or other surface contaminants using a commercial grade cleaner/degreaser. Flush the area with water to remove any residues and allow to dry. Remove any paint, laitance or loose concrete by scarification or blasting. Smooth or glazed surfaces should be roughened to improve adhesion. New concrete should be cured for at least 30 days prior to application. All release agents, hardeners or sealers must also be removed as they may interfere with adhesion. Prime the clean, dry surface with Randolph Products WB Epoxy Surface Primer.

Metal: All surfaces must be clean, dry and free of surface contamination. The surface should be prepared to a minimum Commercial Blast per SSPC-SP 6. Prime blasted surfaces immediately with Randolph Products Metal Primer to prevent flash rust.

Wood/Fiberglass: Remove oil, grease, dirt, or other surface contaminants using a commercial grade cleaner/degreaser. Flush the area with water to remove any residues and allow to dry. Sand the surface to remove loose material and to create a surface profile for application. Prime wooden surfaces with Randolph Products WB Epoxy Surface Primer. Prime fiberglass surfaces with Randolph Products Metal Primer.

Application

RP-100 is designed to be applied over a primer or sealer.

Mixing should be done with a mechanical mixer such as a pneumatic drill motor with a Jiffy® mixing blade until contents are a uniform color.

Apply at surface temperatures between 50°F (10°C) and 120°F (49°C). Application below 50°F (10°C) is not recommended. Protect exterior applications from rain for at least 24 hours. High humidity will retard drying.

Application Techniques

Roller: The best anti-slip characteristics are obtained when the product is applied by roller. For best results, do not thin and apply using a phenolic core roller on even surfaces. On irregular surfaces use a bristle core roller or short nap roller.

To roll, pour a strip of the anti-slip coating approximately 2 inches long and 6 inches wide on the surface being coated. Roll by pulling the material toward you in slow straight strokes. Roll material in one direction only.

Use a modest amount of downward pressure on the roller. It is important that the rolled profile expose the maximum amount of nonslip aggregate. If the aggregate is not properly exposed, the coating may become slippery when wet. Make sure coating is even without any thick puddles. If the coating is too heavy, it may not cure properly.

Spray: This coating can be sprayed using Mastic Spray Equipment. Sprayed applications will provide a uniform appearance with good anti-slip properties.

To spray, use a minimum of a 5 gallon bottom outlet pressure pot equipped with a double regulator and air driven agitator with a 1" I.D. outlet pipe.

Use a maximum of 25 feet of 3/8" hose for air and a maximum of 25 feet of 3/4" hose for the material.

The spray gun should be equipped with a 1/4" fluid nozzle and a 1/4" internal air cap.

Minimum air supply is 20 CFM at 90 lbs. pressure.

Material pressure should be 15-20psi.

Fluid pressure should be 20-25 psi.

Maintain constant agitation of the product to insure the aggregate does not settle out during application.

Spray at a distance of 16-24 inches from the surface.

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Trowel: RP-100 may be applied with a smooth trowel such as a flexible plasterer's finishing trowel. Use a trowel of about 4 inches by 12 inches for best results. Pour a strip of RP-100 on the surface approximately 2 inches long and 6 inches wide. Hold the trowel at a 45° degree angle to the surface and spread with a full motion. Reverse the angle of the trowel for an opposite stroke. Pull the material toward you to give the proper appearance.

Surface Maintenance

Maintain a clean surface to ensure the maximum performance from the anti-slip coating. The following cleaning procedure is recommended:

Foreign matter such as chewing gum should be removed with a scraper or putty knife.

Use an all purpose biodegradable cleaner/degreaser mixed with water to clean the surface. Scrub the surface with a long handled, fiber bristled brush or floor machine.

Rinse with clean water and dry.

Note: While Randolph Products anti-slip coatings are very durable, they are not a permanent coating solution and will require occasional touch up, especially in heavy traffic areas.

Safety precautions: This product is intended for professional use in an industrial environment only. Consult the Safety Data Sheet prior to application.

Standard Colors

Black, Medium Gray, Tile Red, Beige, and Safety Yellow. Custom colors are available and subject to minimum order requirements. Contact our customer service department for more information (413)592-4191

Black: 600K06

Medium Gray: 600D18

Tile Red: 600R02

Beige: 600T01

Safety Yellow: 600Y03

Specifications

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| VOC: | 2.07 lbs/gal (248 grams/liter) |
| Solids by Volume: | 62 +/- 2% |
| Dry Time @70°F (21°C): | Light Traffic: 12 hours Heavy Traffic: 72 hours Full Cure: 7-10 days |
| Theoretical Coverage: | 75 ft ² /gallon (roller), 60 ft ² /gallon (trowel), 90 ft ² /gallon (sprayed) |
| Coefficient of Friction ASTM F609: | Dry: 1.2 Wet: 1.0 |
| Packaging: | 1 gallon and 5 gallon |
| Shelf life: | 2 Years |

Date

4/2017

Randolph Products Co. warrants that its products meet its internal specifications and are of merchantable quality. However, the purchaser is solely responsible for the suitability of the product for any particular application. The purchaser should test or qualify the product for serviceability, environmental compliance and health and safety factors prior to use. Further, our total liability is limited to the price of the product or its replacement in kind.