RP-250 Anti-Slip Coating

Vehicular Grade Two Component Epoxy Floor and Deck Coating

Product Description

RP-250 is a two component epoxy anti-slip floor and deck coating engineered to offer anti-slip protection in areas with rolling vehicular and heavy pedestrian traffic.

RP-250 is suitable for marine and industrial environments. It is easy to apply and offers excellent adhesion to concrete, wood and metal surfaces.

RP-250 has excellent chemical resistance to oil, gasoline, acids, caustics, hydraulic fluids and most solvents.

RP-250 has self extinguishing properties in its cured state.

RP-250 has been formulated to meet the strict requirements of South Coast Air Quality Management District Rule 1113.

RP-250 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.

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Application

RP-250 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. Premix the base component for several minutes making sure all material is lifted off the bottom and uniformly mixed. Pour the entire contents of the hardener container into the base component. Mix thoroughly as described above for 3-5 minutes until contents are a uniform color.

Apply at surface temperatures between 50°F (10°C) and 130°F (54°C). Application below 50°F (10°C) is not recommended as material may not cure properly. Protect exterior applications from rain for at least 24 hours.

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 ¾” hose for the material.

The spray gun should be equipped with a ¼” fluid nozzle and a ¼” 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-250 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-250 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

RP-250 standard colors: Black, Medium Gray, Tile Red, 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: 600K02

Medium Gray: 600D16

Tile Red: 600R07

Safety Yellow: 600Y06

Sold with hardener 610C06

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Specifications

VOC:	2.07 lbs/gal (248 grams/liter)
Solids by Volume:	68 +/- 2%
Dry Time @70°F (21°C):	Light Traffic: 12 hours
	Heavy Traffic: 48 hours
	Full Cure: 7-10 days
Theoretical Coverage:	40 ft²/gallon (roller), 50 ft²/gallon (trowel), 60 ft²/gallon (sprayed)
Coefficient of Friction ASTM F609:	Dry: 1.05 Wet: 1.05
Packaging:	1 gallon kit and 5 gallon kit
Pot life @70°F (21°C):	4 hours
Shelf life:	2 Years

Date

4/2017