RP-75 Anti-Slip Coating

Pedestrian Grade Elastomeric Acrylic Floor and Deck Coating

Product Description

RP-75 is a single component water-based flexible acrylic anti-slip floor and deck coating formulated for pedestrian traffic. It is easy to apply and offers excellent adhesion to asphalt, concrete, wood and metal surfaces. RP-75 is easy to clean up, economical to use and since it is one component, it can be resealed and saved for future use.

RP-75 has been formulated to meet the strict requirements of South Coast Air Quality Management District Rule 1113.

RP-75 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.

Asphalt: Sweep the surface to remove all loose contaminants. 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. Prime the clean, dry surface with Randolph Products Acrylic 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-75 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 RP-75 approximately 2 inches long and 6 inches wide on the surface. 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: RP-75 can be sprayed using Mastic Spray Equipment. Sprayed applications will provide a uniform appearance with good anti-slip properties.

To spray, 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.

Trowel: RP-75 may be applied with a smooth trowel such as a plasterer's finishing trowel. Use a trowel about 4 inches by 12 inches for best results. Pour a strip of RP-75 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, 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: 600K04

Gray: 600D10

Tile Red: 600R10

Beige: 600T06

Safety Yellow: 600Y09

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Specifications

VOC:	0.34 lbs/gal (41 grams/liter)
Solids by Volume:	64 +/- 2%
Dry Time @70°F (21°C):	Light Traffic: 4 hours
	Heavy Traffic: 24 hours
	Full Cure: 7-10 days
Theoretical Coverage:	70 ft²/gallon (roller), 65 ft²/gallon (trowel), 125 ft²/gallon (sprayed)
Coefficient of Friction ASTM F609:	Dry: 1.3 Wet: 0.9
Packaging:	1 gallon and 5 gallon
Shelf life:	2 Years

Date

4/2017