

## Randogrip Navy G

QPL Approved Epoxy Non-Skid Deck Coating

MIL-PRF-24667C Composition G, Type I,II and IV

### Product Description

Randolph Products Randogrip Navy G is a heavy duty, high solids, two component epoxy non-skid deck coating formulated for superior wear and impact resistance on U.S. Navy ships.

Randogrip Navy G is resistant to jet blast, most acids, alkalis, solvents, grease, oil, salt water, detergents, gasoline, jet fuels, cellulube, and other hydraulic fluids. It adheres to wood, metal, and fiberglass decking surfaces.

Randogrip Navy G is fire retardant when dry.

### Surface Preparation

Apply Randogrip Navy G to clean, dry surfaces. Remove old loose and flaking paint, rust and loose debris by mechanical means. Remove oil, grease, dirt, wax, etc. with a water-based cleaner degreaser. Metal surfaces should be blasted to SSPC-SP10 (Near White Metal). Where blasting is not feasible, power tool cleaning utilizing power sanders fitted with #16 grit aluminum oxide sanding discs can produce a sufficient profile for coating.

**Priming:** Metal surfaces should be primed with Randogrip Navy Metal Primer. Concrete and wood should be primed using Randogrip Water-Based Epoxy Surface Primer to seal the surface. New concrete should be allowed to cure for 30 days prior to coating. Concrete surfaces can be damp during application, but should not be covered with standing water.

### Application

**Mixing:** Randogrip Navy G is a two part product. Mixing should be done with a mechanical mixer such as a pneumatic drill motor equipped with a Jiffy® mixing blade. Pre-mix 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 and mix thoroughly as described above for 5 minutes until contents are a uniform color.

**Important:** Primed surfaces should be protected from contamination. Should the surface become contaminated prior to coating, clean the area before applying the topcoat.

**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 dry properly.

For commercial applications where a lower profile is desired, a bristle roller may be used and applied in the same manner as with the phenolic core roller described above.

**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.

**Trowel:** Randogrip Navy G may be applied with a V notched trowel or rubber squeegee with extended handle. Use a trowel of about 4 inches by 12 inches for best results. Notches may be selected according to the texture desired. Pour a strip of Randogrip Navy G on the surface approximately 2 inches long and 1 to 2 inches wide. Spread by moving the trowel forward. Hold the trowel at a 60° angle to the surface and spread with a full motion. Pull the material toward you to give the proper appearance.

**All applications:** Protect exterior applications from rain for at least 24 hours. Apply at surface temperatures between 45°F (7°C) and 120 °F (49°C). Application below 45°F (7°C) is not recommended as material may become difficult to apply and will not cure properly.

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

**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.

**Standard Colors**

Federal 595 Standard Colors: 31136, 33538, 34088, 36076, 36173, 36270, 37038, and 37875

Sold with hardener 610C01

**Specifications**

VOC:	1.64 lbs/gal (197 grams/liter)
Solids by Volume:	78 +/- 2%
Dry Time @70°F (21°C):	Dry Hard:24 hours      Full cure: 7 days
Theoretical Coverage:	25-30 ft <sup>2</sup> /gallon (roller), 18-22 ft <sup>2</sup> /gallon (trowel), 30 ft <sup>2</sup> /gallon (sprayed)
Packaging:	1 gallon kit and 5 gallon kit
Pot Life @ 70°F (21°C):	4 hours. Pot life will increase at lower temperatures and decrease at higher temperatures
Shelf life:	1 year for Navy Applications, 2 Years for commercial applications

**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.