

**Randolph Products Company**

33 Haynes Circle

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**RANDOGRIP NAVY G NON SKID**

GENERAL INFORMATION	PHYSICAL PROPERTIES	APPLICATION
<p>Randogrip Navy G Non Skid is a heavy duty high solids, two component epoxy non slip deck coating formulated for superior wear and impact resistance on U.S. Navy ships.</p> <p>Randogrip Navy G Non Skid 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 metal, wood and fiberglass decking surfaces.</p> <p>Randogrip Navy G Non Skid is fire retardant when dry.</p> <p>QPL Approved: MIL-PRF-24667C; Composition G, Type 1, 2 and 4</p> <p>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 thoroughly 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 replacement in kind.</p> <p>Randolph Products Company 33 Haynes Circle Chicopee, MA 01020 Phone: 413-592-4191 Fax: 413-594-7321 www.randolphproducts.com</p>	<ol style="list-style-type: none"> <li>1. <b>Colors:</b> Non Fed Std. colors including RAL 7024.</li> <li>2. <b>Solids by Volume:</b> 82 +/- 1%</li> <li>3. <b>VOC content:</b> 1.64 lbs/gallon (197 grams/liter)</li> <li>4. <b>Dry Time @ 70°F (21°C):</b> Hard Dry: 24 hours Full Cure: 7 days</li> <li>5. <b>Coefficient of Friction:</b> Dry: 1.2 Wet: 1.2</li> <li>6. <b>Theoretical Coverage:</b> 25- 30 ft<sup>2</sup>/gallon (roller) 18 - 22 ft<sup>2</sup>/gallon (trowel) <ul style="list-style-type: none"> <li>• Note: Bristle roller coverage will be lower than phenolic core roller</li> </ul> </li> <li>7. <b>Pot Life @ 70°F:</b> 5 gallon kit: 4 hours Pot life will increase at lower temperatures and decrease at higher temperatures.</li> <li>8. <b>Mix Ratio:</b> By weight: 18 parts 600D41:1 part 610C01 By volume: 7.9 parts 600D41: 1 part 610C01</li> <li>9. <b>Shelf Life</b> Two Years</li> </ol>	<p><b>Surface Preparation:</b> Apply Randogrip Navy G Non Skid 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.</p> <p><b>Priming:</b> Metal surfaces should be primed with Randogrip Navy Metal Primer.</p> <p><b>Mixing:</b> 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.</p> <p><b>Roller Application</b> 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 Randogrip Navy G Non Skid on the surface approximately 2 inches long and 6 inches wide. Roll by pulling the material toward you in slow straight strokes. 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.</p>

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Make sure coating is even without any thick puddles. If the coating is too heavy, it may not dry properly.  
Protect exterior applications from rain for at least 24 hours.  
Apply at surface temperatures between 45°F and 120°F. Application below 45°F is not recommended as material may become difficult to apply.  
Humidity during application should be below 85%.  
For commercial applications where a lower profile is desired, a bristle roller may be used.

**Spray:**

Randogrip Navy G Non Skid can be sprayed using Mastic Spray Equipment. 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 – 20 psi.  
Fluid pressure should be 0 – 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 Non Skid may be applied with a V notched trowel or rubber squeegee with extended handle. A trowel 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 Non Skid 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.

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		<p><b>Surface Maintenance:</b> The surface should be kept clean to ensure that it provides the best antislip protection.</p> <p><b>Safety Precautions:</b> This product is intended for professional use in an industrial environment only. Consult the Material Safety Data Sheet prior to application.</p>
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