



Protective & Marine Coatings

RG-5100G/L (RESUGRIP™ NAVY 5100G/L)

PART A KN14A250 **DARK GRAY 36076**
PART B KN14B250 **BLACK 37038**
N14-250 **SERIES**
N14V200 **HARDENER**

Revised: February 19, 2024

PRODUCT INFORMATION

9.77

PRODUCT DESCRIPTION

RG-5100G/L is a heavy duty high solids, two component epoxy nonskid coating formulated for superior wear and impact resistance on U.S. Navy, U.S. Coast Guard, and Department of Defense vessels where nonskid performance is required.

RG-5100G/L 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.

RG-5100G/L meets the fire resistance requirements for MIL-PRF-24667C.

QPL Approved: MIL-PRF-24667C Type I, II and V Comp. G & Type I and V Comp. L

Pending approval to MIL-PRF-24667D, Types I & V, Compositions G & L, Class 1, Grade B, Application 1.

PRODUCT CHARACTERISTICS

Color:	Dark Gray SAE-AMS-STD 595 36076 Black SAE-AMS-STD 595 37038
Volume Solids:	84% ± 2%, mixed
VOC:	131 g/L; 1.09 lb/gal, mixed
Mix Ratio:	Mix as supplied.
Coefficient of Friction:	Dry: 1.2 ; Wet: 1.2, as measured per MIL-PRF-24667
Theoretical Coverage:	20-30 ft ² /gallon (roll application) 40-60 ft ² /gallon (spray application)

Drying Schedule:

	@ 50°F/10°C	@ 70°F/21°C	@ 120°F/49°C
Light Foot Traffic:	24 hours	12 hours	6 hours
Full Cure:	14 days	7 days	3 days
Pot Life:	6 hours	4 hours	1.5 hours
Note: Pot life will increase at lower temperatures and decrease at higher temperatures. Drying time is temperature, humidity, and film thickness dependent.			

Shelf Life:	12 months for military applications. 24 months for commercial applications.
Flash Point:	>100°F (38°C)
Reducer:	Not recommended
Clean Up:	MAK

SURFACE PREPARATIONS

RG-5100G/L should be applied to clean, dry surfaces. Prior to surface preparation, the surface shall be free of contaminants in accordance with SSPC-SP1. Metal surfaces should be prepared to NEAR WHITE METAL BLAST, NACE 2/SSPC-SP 10, or WATERJETTING TO NACE/SSPC-SP WJ-2/L, or SSPC-SP 10/L(WAB)/NACE WAB-2/L with a 3.0-6.0 mil (75-150 micron) profile.

PRIMING

Metal surfaces should be primed with RG-7000 series metal primer. RG-5100G/L can be used commercially in non-marine applications on concrete and wood when primed with Resufloor Aqua or Resufloor 3579. New concrete should be allowed to cure for 30 days prior to coating. Suitable for SSD concrete.

MIXING

Pre-mix the base component (Part A) for 3 minutes insuring all material is lifted off the bottom of the pail and uniformly mixed. Mixing should be completed using a mechanically approved (Electrical or Pneumatic) high torque mixer suitable for mixing heavy materials. A jiffy blade or vortex paddle should be used for mixing. Pour the entire contents of the pre-measured hardener (Part B) into the base component (Part A). Mix Part A and Part B together for a minimum of 5 minutes until contents are uniform in color. During the mixing process, scrape the sides of the pail to ensure the Parts A and B are thoroughly combined. NOTE: Improperly mixed material will not cure and/or perform properly. Nonskid material remaining in the can after nonskid is poured onto primed deck surface must not be removed from the can.

ROLLER APPLICATION

To roll, pour a ribbon of RG-5100G/L onto the surface until there is no material remaining in the pail. 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 nonskid 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. Protect exterior applications from rain for at least 24 hours. Apply at surface temperatures between 50°F (10°C) and 120°F (49°C). Application below 50°F (10°C) is not recommended as material may become difficult to apply. For commercial applications where a lower profile is desired, a bristle roller may be used.



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SPRAY APPLICATION

This product has not yet been qualified for spray application. Brush and Roll applications are required.

REFERENCE DOCUMENTS

For specific application information, the below documents should be utilized:

- NAVSEA Standard Item 009-32
- ASTM F-718

ORDERING INFORMATION

Packaging: 4.14 gallon (15.7L) mix:

Part A: 3.56 gallons (13.5L)

Part B: 0.58 gallons (2.2L)
(premeasured components)

Weight: 16.4 ± 0.2 lb/gal ; 2.0 kg/L, mixed may vary by color

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.