

SELECTION & SPECIFICATION DATA

Generic Type	Polyamine Modified Epoxy
Description	Carboguard 869 Non-Skid is a two component, polyamide modified, low VOC, high performance coating for demanding industrial maintenance, marine and architectural applications. It is a tough and durable satin finish perfect for use on steel, galvanized, aluminum and masonry. It has a unique non-skid filler package which requires no agitation during application. In spite of its apparent lower profile aggregate, it has improved non-slip properties over larger aggregate materials, even when wet. It has excellent chemical and abrasion resistance, particularly in marine or other corrosive environments. It is suitable for use on properly prepared concrete & steel surfaces in refineries, offshore platforms, chemical plants, food & beverage plants and pulp & paper mills.
Features	<ul style="list-style-type: none"> • Easy mix; non settling; 2-component • Constant agitation not required during installation • Short sweat-in time; long pot life • Unique aggregate package for improved nonslip properties • Dry hard overnight • Excellent film build properties
Color	Red (other colors on special order)
Finish	Satin
Primer	Self-priming, may be used over other epoxy primers.
Dry Film Thickness	4 - 6 mils (102 - 152 microns) per coat
Solids Content	By Volume 71% +/- 2%
Theoretical Coverage Rate	1139 ft ² /gal at 1.0 mils (27.9 m ² /l at 25 microns) 285 ft ² /gal at 4.0 mils (7.0 m ² /l at 100 microns) 190 ft ² /gal at 6.0 mils (4.7 m ² /l at 150 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 2.11 lbs./gal 253 g/l Thinned: 12 oz with Thinner 248 = 2.53 lbs/gal (304 g/L)
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)
Topcoats	May be coated with Epoxies or Polyurethanes depending on exposure and need.

SUBSTRATES & SURFACE PREPARATION

General	All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion via SSPC-SP1 solvent cleaning.
Concrete or CMU	Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Abrade to remove all laitance, loose concrete, etc. and to create surface profile in accordance with the appropriate ICRI CSP 2-5.

Carboguard[®] 869 Non-Skid LT

PRODUCT DATA SHEET



SUBSTRATES & SURFACE PREPARATION

Previously Painted Surfaces	Scrape loose, scaly, peeling paint and sand the edges smooth. If the paint is glossy, sand to dull the surface. Remove any rust and scale from ferrous metal. If mildew is present, remove completely by sterilizing the surface with mildew remover and detergent. Rinse well and allow to dry before painting.
Special Instruction	Use the "LT" cure for temperatures between 35 °F and 50 °F. Some yellowing may occur in light colors if exposed to temperatures exceeding 200 °F. Old coatings should be tested for lifting before applying Carboguard 869 Non-Skid. Exterior exposure causes color change, gloss loss and chalking, however, this does not affect protective performance properties.
Metal	Abrasive blasting is recommended to remove rust and mill scale. Use commercial blast to SSPC-SP6 for mild exposures and near-white blast SSPC-SP10 for severe exposures. Where blasting is not possible, thorough scraping and wire brushing may be substituted at some possible sacrifice in performance.

MIXING & THINNING

Mixing	Thoroughly power mix each component separately and then combine and mix Part B into Part A. Volume ratio: 4.2 gal Part A with 0.8 gals Part B. Combine and mix with mechanical agitation. Allow to sweat-in for 15 minutes @ 70-90 °F or 30 minutes at 55- 70 °F before use. Do not mix more than can be applied during the product's useful pot life.
Thinning	Mixed material may be thinned up to 12 fluid ounces per mixed gallon with Thinner 248 for most applications.
Ratio	5.25:1
Pot Life	Maximum 4 hours at 75 °F. Once activated, material need not be agitated as aggregate is designed to stay in suspension.

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General)	Allow the activated paint 15 minutes induction time
Conventional Spray	A bottom feed outlet pressure pot with dual regulators; with 3/4" ID fluid hose; maximum 25 feet long. Gun: Conventional mastic gun with 1/4-3/8" round or slotted tip. Atomization Pressure – 30-50 psi Fluid Pressure – 15-20 psi
Brush	For limited applications use Nylon/Polyester or Natural Bristle
Roller	Use 3/8" woven with solvent resistant core or "loop" roller.

CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry to Recoat	Dry Hard
35°F (2°C)	10 Hours	42 Hours	56 Hours
50°F (10°C)	4 Hours	18 Hours	24 Hours
75°F (24°C)	1.5 Hours	6.5 Hours	9 Hours
90°F (32°C)	1 Hour	3 Hours	4 Hours

Expect extended dry times in periods of higher humidity or lower temperatures or when applying thicker films

CLEANUP & SAFETY

Cleanup | Clean up all tools and equipment promptly with Thinner 2.

Safety | Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Keep container closed when not in use.

PACKAGING, HANDLING & STORAGE

Shelf Life | Part A: 24 months
Part B: 36 months

*Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.

Storage Temperature & Humidity | 0-110 °F (4-43 °C)
0-100% Relative Humidity

Storage | Store Indoors.

Shipping Weight (Approximate) | 5-Gal Kit - 70 lbs

Flash Point (Setflash) | Part A: 73 °F
Part B: 85 °F

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.