Carboguard® 868 Non-Skid

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Polyamide Modified Epoxy
Description	Carboguard 868 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 ideal for use on steel, galvanized, aluminum and masonry. It should be used wherever non-skid properties, chemical and abrasion resistance, resistance to corrosive environments and outstanding adhesion are essential. It is suitable for use in refineries, offshore platforms, marine environments, chemical plants, food & beverage plants and pulp & paper mills or other industrial applications.
Features	• Excellent film build properties • Non-skid finish • Excellent edge retention
Color	Grey, Red
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 74% +/- 2%
Theoretical Coverage Rate	1187 ft²/gal at 1.0 mils (29.1 m²/l at 25 microns) 297 ft²/gal at 4.0 mils (7.3 m²/l at 100 microns) 198 ft²/gal at 6.0 mils (4.9 m²/l at 150 microns) Allow for loss in mixing and application.
VOC Values	**As Supplied** : 1.8 lbs./gal 216 g/l Thinner 248 : 25 oz = 2.7 lbs/gal (324 g/l)
Dry Temp. Resistance	Non-Continuous: 250°F (121°C)
Limitations	Epoxies may lose gloss, discolor and chalk when exposed to sunlight.

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.
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	Do not apply if material, substrate or ambient temperature is below 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 868 Non-Skid. Exterior exposure causes color change, gloss loss and chalking, however, this does not effect protective performance properties.

SUBSTRATES & SURFACE PREPARATION

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 with some sacrifice in performance.

MIXING & THINNING

Mixing	Thoroughly power mix each component separately and then combine and mix Part B into Part A. Allow to sweat-in for 15 minutes at 70-90 °F or 30 minutes at 55-70 °F before use.
Thinning	Mixed Carboguard 868 Non-Skid may be thinned with a maximum of 25 fluid ounces per mixed gallon with Thinner 248.
Ratio	5.25 to 1 mix ratio by volume (Part A to Part B)
Pot Life	Maximum 4 hours at 75 °F. Once activated, keep under agitation to prevent settling of non-skid.

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)	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.
Conventional Spray	Use bottom feed outlet pressure pot with dual regulators, lid-mounted agitator, and 3/4" I.D. fluid hose. Use Binks 7E2 Heavy Texture Gun (or equal) with 1/4" round or 3/8" slotted tip. Atomization Pressure – minimum 30 psi Fluid Pressure – 25 psi
Brush	For limited applications use Nylon/Polyester or Natural Bristle
Roller	For limited applications use 3/8" woven with phenolic core.

CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry to Recoat	Dry Hard
50°F (10°C)	11 Hours	44 Hours	66 Hours
75°F (24°C)	4 Hours	16 Hours	24 Hours
90°F (32°C)	2 Hours	7.5 Hours	12 Hours

Expect longer 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 - 90 lbs (41 kg)
Flash Point (Setaflash)	Part A: 73 °F (23 °C) Part B: 85 °F (29 °C) Mixed: 89 °F (32 °C)

WARRANTY

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