

SELECTION & SPECIFICATION DATA

Generic Type	Modified epoxy-polyamide
Description	Very tough, hard coating developed for glass-reinforced application up to 1/8" (0.32 cm) by two component airless spray, roller or squeegee. Excellent wetting properties minimize air entrapment frequently encountered during filled application with glass-reinforced materials. Carboguard 151-2 has sufficient flexibility to withstand the expansion and contraction effects encountered in large storage tanks. Component A is pigmented blue and Component B is pigmented yellow. When Carboguard 151-2 is properly mixed and applied, a uniform green color is obtained.
Features	<ul style="list-style-type: none"> • Solventless, high performance protection • Low-to-no odor • Easy to apply by standard equipment • Excellent chemical resistance • Fast cure • Tough abrasion resistant film • Excellent flexibility • Excellent corrosion protection • Impact resistant • Hi-build application • Internal film reinforcement (chopped strandmat) • Ideal for upgrading older crude storage facilities, which have been severely corroded • Has excellent resistance to crude oil, water and brine
Color	Green
Finish	High Gloss Epoxies lose gloss, discolor and eventually chalk in sunlight exposure.
Primer	Phenoline 311 or Carboguard 193 primer as holding primers
Dry Film Thickness	60-65 mils (1.5 to 1.625 mm)
Solid(s) Content	99% +/- 1%
Theoretical Coverage Rates	39.0 m ² /l at 0.025 mm (1588 ft ² /gal at 1.0 mil) 0.6 m ² /l at 1.500 mm (26 ft ² /gal at 60.0 mils) Does not include glass
VOC Value(s)	As supplied: 0.06 lbs./gal (7 g/l) Thinning is not required or recommended.
Dry Temp. Resistance	(Non-Immersion) Continuous: 200°F (93°C) Immersion temperature resistance depends upon exposure.
Topcoats	Normally a gel coat of Carboguard 151-2 is specified. May be top-coated with Phenolines or others as specified.

Carboguard 151-2

PRODUCT DATA SHEET



SUBSTRATES & SURFACE PREPARATION

General	Surface must be clean and dry. Employ adequate methods to remove all dirt, dust, oil and all other contaminants. Apply over properly prepared concrete, steel or other surfaces as recommended.
Steel	SSPC SP6 with a 2.0-3.0 mil (50-75 micron) surface profile for maximum protection.
Concrete	Remove all oil, grease, dirt or contaminants from the surface to be coated by steam detergent cleaning. All contaminated or damaged concrete must be removed down to a clean, structurally sound concrete substrate.

MIXING & THINNING

Mixing	Power mix separately, then combine and mix in below proportion: 2:1 by volume
Thinning	Not recommended
Pot Life	80-90 minutes at 75°F (24°C) and less at higher temperatures. Pot life ends when coating gels.

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.

Application Procedure	NOTE: The following equipment has been found suitable. However, equivalent equipment may be substituted. Pumps BINKS Model "C" or Model "G" with 2:1 mix ratio GRACO Bulldog Hydra-Cat Model 209-000 with 2:1 mix ratio Transfer Pumps (Two Required) BINKS 4:1 (3/4" I.D. material line to dual component pump) GRACO 10:1 President (3/4" I.D. material line to dual component pump)
Spray Equipment	Two component airless units are recommended.
Airless Spray	Use a 3/8" minimum I.D. material hose. Hold gun approximately 18-20" from the surface and at a right angle to the surface.
Pump	QFA-519 Bulldog 30:1 B8-36 37:1 *Teflon packings are recommended and are available from the pump manufacturer. Use a 0.019-0.023" tip with 2400 psi.
Spray Gun	Spray Gun BINKS Model 700 GRACO 208-663 Silver Airless Spray Tips (Reverse-A-Clean type recommended) Orifice Size: .027" to .035" Fan Width: 10" to 14" In-Line Heaters (Two Required) BINKS 42-5126, 115 or 220 VAC, 2550 Watts GRACO

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Mfr & Gun | DeVilbiss JGB or JGN
Graco 205-591 or 208-663
Binks Model 700

Brush & Roller (General) | Recommended for small areas and touch-up only. Use natural bristle brush applying with full strokes. Avoid re-brushing. Use short nap mohair roller with phenolic core.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	16°C (61°F)	4°C (39°F)	4°C (39°F)	0%
Maximum	38°C (100°F)	38°C (100°F)	38°C (100°F)	85%

Do not apply when the surface temperature is less than 5°F (2°C) above the dew point.
Special thinning and application techniques may be required above or below normal conditions.

CURING SCHEDULE

Surface Temp.	Dry to Handle	Final Cure
4°C (39°F)	96 Hours	NR
16°C (61°F)	48 Hours	12 Days
24°C (75°F)	24 Hours	6 Days
32°C (90°F)	12 Hours	3 Days

*Longer cure times are generally needed for more aggressive service.
Insufficient ventilation or cooler temperatures will require longer cure times. Excessive humidity or condensation on the surface during curing can interfere with the cure, can cause discoloration and may result in a surface haze. Any haze or blush **must** be removed by water washing if re-coating.

CLEANUP & SAFETY

Cleanup | Use Thinner #2 or Toluol

Safety | Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions.

PACKAGING, HANDLING & STORAGE

Shelf Life | 36 months

Shipping Weight (Approximate) | 589 Liters
768 kg

Flash Point (Setaflash) | (Pensky-Martens Closed Cup)
Carboguard 151-2 Part A Over 200°F (93°C)
Carboguard 151-2 Part B Over 200°F (93°C)

Carboguard 151-2

PRODUCT DATA SHEET



PACKAGING, HANDLING & STORAGE

Storage	Store indoors
	Temperature: 40-110°F (4-43°C)
	Humidity: 0-100%

WARRANTY

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