

SELECTION & SPECIFICATION DATA

Generic Type	High Solids DTM Epoxy
Description	Carboguard 8902 FC is a solvent-free, two component, amine cured epoxy formulated for use as a direct-to-metal (DTM) exterior coating with excellent corrosion and chemical resistance. It has very fast dry to handle and cure properties making it desirable for shop applications. Used as a single-coat, protective coating for a variety of uses including equipment, piping, structural steel, and tankage exposed to corrosive and/or abusive service.
Features	<ul style="list-style-type: none"> • Solvent-free • Direct-to-metal / self-priming • Single coat economics • Excellent corrosion and chemical resistance • Fast-dry properties
Color	Gray, Black, White, and other colors available subject to minimum order.
Finish	Gloss
Primer	None required.
Dry Film Thickness	3 - 6 mils (76 - 152 microns) per coat
Typical Uses	<ul style="list-style-type: none"> • Equipment • Piping • Structural steel • Tanks
Solids Content	By Volume 99% +/- 1%
Theoretical Coverage Rate	1588 ft ² /gal at 1.0 mils (39.0 m ² /l at 25 microns) 529 ft ² /gal at 3.0 mils (13.0 m ² /l at 75 microns) 265 ft ² /gal at 6.0 mils (6.5 m ² /l at 150 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 0.12 lbs/gal (14.4 g/l)
Dry Temp. Resistance	Continuous: 225°F (107°C) Non-Continuous: 275°F (135°C)
Limitations	Epoxies lose gloss, discolor and eventually chalk in sunlight exposure.

SUBSTRATES & SURFACE PREPARATION

General	Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
Steel	NACE No.3/SSPC-SP 6 commercial blast, clean with 1.5 to 3.0 mil anchor profile.

MIXING & THINNING

Thinning	Not Recommended
Ratio	1:1 by volume

Carboguard[®] 8902 FC

PRODUCT DATA SHEET



MIXING & THINNING

Pot Life | 15 minutes at 77 °F (25 °C)

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.

Airless Spray	<ul style="list-style-type: none">• Pump Ratio: 45:1• Tip Size: 0.017"-0.019" (617-619)• Output PSI: 2,800 recommended minimum fluid pressure at tip to obtain proper atomization
Plural Component Airless Spray	Fixed ratio (1:1 by volume) plural component spray rig with heated hoppers, heated hoses to a mix manifold through (at least two) static mixers to a 15 to 25 ft (¼" diameter) whip hose attached to an appropriate spray gun utilizing self-cleaning reverse-a-tips from 0.017-0.019 inches. Both the "A" and "B" side should be around 115-125 °F (46-52 °C). This will ensure proper catalyzation and spraying of product.
Brush & Roller (General)	A small brush can be used for touch-up of WFT marks and other small repair areas.

CURING SCHEDULE

Surface Temp.	Set to Touch	Tack Free	Dry Hard	Dry to Recoat
77°F (25°C)	2 Hours	5 Hours	10 Hours	12 Hours

Note: Recoat within 24 hours @ 77 °F (25 °C)

CLEANUP & SAFETY

Cleanup	Use Thinner 76, Thinner 2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.

PACKAGING, HANDLING & STORAGE

Shelf Life	24 months
Storage Temperature & Humidity	40-110 °F (4-43 °C). 0-100% Relative Humidity.
Storage	Store Indoors
Shipping Weight (Approximate)	2 Gallon Kit - 26.2 lbs (11.9 kg) 10 Gallon Kit - 132.2 lbs (60 kg) 100 Gallon Kit - 1353 lbs (613.7 kg)
Flash Point (Setaflash)	Part A: 174 °F (79 °C) Part B: 230 °F (110 °C)



WARRANTY

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