

**SELECTION & SPECIFICATION DATA**

<b>Generic Type</b>	Epoxy Polyamide pigmented with micaceous
<b>Description</b>	Versatile corrosion resistant coating. User either as a primer, intermediate coat or selfpriming finish or zinc primers. May be top coated with himself, or a broad variety of high performance finish coats. Has surface tolerant properties.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Ready to apply after mixing; normally thinning is not required.</li> <li>• Economical fit for use epoxy.</li> <li>• MIO contents on dry film thickness: 10%.</li> <li>• Used as a primer, intermediate or finish coat.</li> <li>• Power tool cleaned surfaces acceptable.</li> </ul>
<b>Color</b>	Metallic grey.
<b>Finish</b>	Satin
<b>Primer</b>	Self-priming. May be applied over inorganic and organic zinc primers, epoxies and other as recommended. A mist coat may be required to minimize bubbling over inorganic zinc primers.
<b>Dry Film Thickness</b>	<p>76 - 127 microns (3 - 5 mils) Per coat as a primer or as intermediate.            76 - 127 microns (3 - 5 mils) Two coats per coat may be used direct to metal.            102 - 152 microns (4 - 6 mils) Per coat as a finish coat over a primer.</p> <p>Do not exceed 250 µm (10 mils) in a single coat.            Excessive film thickness over inorganic zincs may increase damage during shipping or erection.</p>
<b>Solid(s) Content</b>	By volume: 62% ± 3 %
<b>Theoretical Coverage Rates</b>	<p>24 m<sup>2</sup>/l at 25 microns            8 m<sup>2</sup>/l at 75 microns</p> <p>Allow for loss in mixing and application</p>
<b>Dry Temp. Resistance</b>	<p>Continuous: 93°C (199°F)            Non-Continuous: 121°C (250°F)</p> <p>Discoloration and loss of gloss is observed above 93°C (200°F).</p>
<b>Limitations</b>	Epoxies lose gloss, discolor and eventually chalk in sunlight exposure.
<b>Topcoats</b>	Acrylics, Epoxies, Polyurethanes.

**SUBSTRATES & SURFACE PREPARATION**

<b>General</b>	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.
<b>Steel</b>	<p>SSPC-SP6/ISO 8501-1 SA 2            Blast profile: 25-50 micron (1.0-2.0 mil)</p> <p>May also be applied over SSPC-SP3/ISO8501-1 ST3 for certain application.</p>

# Carboguard 885 MIOX

## PRODUCT DATA SHEET



### MIXING & THINNING

<b>Mixing</b>	Power mix separately, then combine and power mix. <b>DO NOT MIX PARTIAL KITS.</b>
<b>Thinning</b>	Normally not required but may thin as follows: Spray: Up to 12% BV with Thinner#10 Brush & Roller: Up to 12% BV with Thinner#33 Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.
<b>Ratio</b>	By volume: Part A: 1 Part B: 1
<b>Pot Life</b>	4 Hours at 75°F (24°C) Pot life times will be less at higher temperatures. Pot life ends when coating thickens and loses application properties. Pot life times will be less at higher temperatures.

### 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.

<b>General</b>	The following spray equipment has been found suitable and is available from manufacturers such as Binks, De Vilbiss and Graco.
<b>Conventional Spray</b>	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, .070" I.D. fluid tip and appropriate air cap.
<b>Airless Spray</b>	Pump Ratio: 30:1 (min.) GPM Output: 2.5 (min.) Material Hose: 3/8" I.D. (min.) Tip Size: .019"-.023" Output PSI: 2100-2300 Filter Size: 30 mesh Teflon packings are recommended and available from the pump manufacturer.
<b>Brush &amp; Roller (General)</b>	Not recommended for tank lining applications except when striping welds. Multiple coat may be required to obtain desired appearance, recommended dry film thickness and adequate hiding: Avoid excessive re-brushing or rerolling. For best results, tie-in within 10 minutes at 24°C (75°F).
<b>Brush</b>	Use a medium bristle brush.
<b>Roller</b>	Use 3/8" nap phenolic core roller.

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	10°C (50°F)	10°C (50°F)	10°C (50°F)	0%
Maximum	32°C (90°F)	52°C (126°F)	43°C (109°F)	85%

Do not apply when the surfaces temperature is less than 3°C (5°F) above the Dew Point. Special application techniques may be required above or below normal application conditions.

## CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Maximum Recoat Time
10°C (50°F)	24 Hours	30 Days
16°C (61°F)	10 Hours	30 Days
24°C (75°F)	7 Hours	30 Days
32°C (90°F)	4 Hours	30 Days

These times are based on a 100-150 micron DFT for atmospheric exposure (non-immersion) .

Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

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 before recoating.

If the maximum recoat times have been exceeded, the surface must be abraded by sweep blasting or sanding prior to the application of additional coats.

## CLEANUP & SAFETY

<b>Cleanup</b>	Use Thinner #2. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
<b>Safety</b>	Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.
<b>Ventilation</b>	When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved supplied air respirator.
<b>Caution</b>	This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

## PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	Part A: 24 months at 24°C (75° F) Part B: 36 months at 24°C (75° F)  When kept at recommended storage conditions and in original unopened containers.
<b>Storage Temperature &amp; Humidity</b>	4°C - 43°C (40°F - 110°F) 0-95 % RH%
<b>Flash Point (Setaflash)</b>	Parte A: 24 °C Parte B: 24 °C
<b>Storage</b>	Store indoors.
<b>Packaging</b>	Part A: 10 liters Part B: 10 liters

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## PRODUCT DATA SHEET

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### WARRANTY

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