

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Epoxy Polyamide
<b>Description</b>	Carboguard 60 Tank White is a specially formulated high solids, versatile corrosion resistant coating designed for use as a weathering finish for exterior use. It has the unique ability to freely chalk on UV exposure to maintain a white appearance over its useful life making it ideal for tank exteriors and the like for both new construction or maintenance.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Low odor and low VOC</li> <li>• Available in self-cleaning white</li> <li>• May be used as a primer, intermediate, or finish coat</li> <li>• Fast cure &amp; dry times</li> <li>• Can be applied over power tool cleaned surfaces</li> <li>• VOC compliant to current AIM regulations</li> </ul>
<b>Color</b>	Available in White (W800) only.
<b>Finish</b>	Semi-Gloss Freely chinks under UV exposure
<b>Primer</b>	Self-priming. May be applied over organic and inorganic zinc rich primers. A mist coat may be required to minimize bubbling over zinc rich primers.
<b>Dry Film Thickness</b>	4 - 6 mils (102 - 152 microns) per coat Two coats are often used. Do not exceed 10 mils in a single coat.
<b>Solids Content</b>	By Volume 72% +/- 2%
<b>Theoretical Coverage Rate</b>	1155 ft <sup>2</sup> /gal at 1.0 mils (28.3 m <sup>2</sup> /l at 25 microns) 289 ft <sup>2</sup> /gal at 4.0 mils (7.1 m <sup>2</sup> /l at 100 microns) 192 ft <sup>2</sup> /gal at 6.0 mils (4.7 m <sup>2</sup> /l at 150 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	Thinner 236 E : 13 oz./gallon, 2.00 lbs./gal, 240 g/l Thinner 2 : 13 oz./gal 2.47 lbs./gal 296 g/l Thinner 33 : 15 oz./gal 2.57 lbs./gal 308 g/l <b>As Supplied</b> : 2.00 lbs./gal 240 g/l Thinner 2 : 6 oz./gal 2.23 lbs./gal 267 g/l  Use of Carboline exempt solvents (usually containing an "E") will not change the as supplied VOC value.
<b>Limitations</b>	Epoxies may lose gloss, discolor and chalk when exposed to sunlight. Suitable for intermittent water immersion when two coats are used (floating roofs).
<b>Topcoats</b>	May be coated with Acrylics, Epoxies, Alkyds, or Polyurethanes depending on exposure and need.

## 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.
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# Carboguard® 60 Tank White

## PRODUCT DATA SHEET



### SUBSTRATES & SURFACE PREPARATION

<b>Steel</b>	For most applications: SSPC-SP6 with a 1.5-3.0 mil (38-75 microns) profile Where abrasive blasting is not allowed or for mild environments: SSPC-SP3
<b>Concrete or CMU</b>	The concrete must be cured for 28 days (at 75°F/50% R.H.) or until the concrete reaches its designated compressive strength. Prepare and clean the surface in accordance with SSPC-SP13/ NACE No. 6 guidelines. Test for moisture by conducting a plastic sheet testing in accordance with ASTM D4263.
<b>Non-Ferrous Metals</b>	Surface profile should be a dense angular 1.5 - 3 mils and is best achieved through abrasive blasting in accordance with SSPC-SP16 for atmospheric exposure, or SSPC-SP17 for immersion environments.

### MIXING & THINNING

<b>Mixing</b>	Power mix separately, then combine and power mix. Allow mixed product 15 minute sweat in time before thinning if material is under 70°F. No sweat in needed above 70°F DO NOT MIX PARTIAL KITS.
<b>Thinning</b>	<b>Preferred Thinner Uses and Application:</b> Spray: Up to 13 oz/gal (10%) with Thinner #2. Brush & Roller: Up to 15 oz/gal (12%) with Thinner #33. Thinner 236E may be used as an exempt thinner in lieu of those listed above. <b>Alternate Compatible Thinners for Atmospheric Service:</b> Carboline Thinner 2, 10, 15, 76, 225E, 229, 236E, 243E, 248 and Plasite Thinner #19 or #20  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>	1:1 Ratio by volume (A to B) Part A: Carboguard 60 Tank White Part A Part B: Carboguard 60 Part B
<b>Pot Life</b>	4 Hours at 75°F (24°C) Pot life ends when coating loses body and begins to sag. 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>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. For filler additives use a 0.110" I.D. fluid tip.
<b>Airless Spray</b>	Pump Ratio: 30:1 (min.)* GPM Output: 2.5 (min.) Material Hose: 3/8" I.D. (min.) Tip Size: 0.017"-0.021" Output PSI: 2100-2500 Filter Size: 60 mesh PTFE packings are recommended and available from the pump manufacturer.

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<b>Brush &amp; Roller (General)</b>	Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive re-brushing or re-rolling. For best results, tie-in within 10 minutes at 75°F (24°C).
<b>Brush</b>	Use a medium bristle brush.
<b>Roller</b>	Use 3/8" nap roller with a solvent resistant core.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	40°F (4°C)	40°F (4°C)	0%
Maximum	90°F (32°C)	140°F (60°C)	120°F (49°C)	85%

This product simply requires the substrate temperature to be above the dew point. Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions.

## CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry to Handle/ Recoat w/ Itself	Dry to Topcoat w/ Other Finishes	Maximum Recoat Time
40°F (4°C)	3 Hours	30 Hours	48 Hours	1 Year
50°F (10°C)	2 Hours	20 Hours	24 Hours	1 Year
60°F (16°C)	1 Hour	8 Hours	10 Hours	1 Year
75°F (24°C)	45 Minutes	5 Hours	7 Hours	1 Year
90°F (32°C)	30 Minutes	3 Hours	4 Hours	1 Year

These times are based on a 5.0 mil (125 micron) dry film thickness. 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. For force curing, contact Carboline Technical Service for specific requirements.

## CLEANUP & SAFETY

<b>Cleanup</b>	Use Thinner #2 or Acetone. 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 SDS for this product. Employ normal workmanlike safety precautions.
<b>Ventilation</b>	When used 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 respirator.

# Carboguard® 60 Tank White

## PRODUCT DATA SHEET



### PACKAGING, HANDLING & STORAGE

<b>Packaging</b>	<b>10 Gallon Kits:</b> Part A: 5 gallons Part B: 5 gallons
<b>Shelf Life</b>	Part A & B: Min. 36 months at 75°F (24°C)  *Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.
<b>Storage Temperature &amp; Humidity</b>	40° - 100°F (4° - 37.8°C) 0-100% Relative Humidity
<b>Storage</b>	Store Indoors.
<b>Shipping Weight (Approximate)</b>	<u>10 Gallon Kit</u> 140 lbs. (64 kg)
<b>Flash Point (Setaflash)</b>	Carboguard 60 Tank White Part A: 82°F (27.8°C) Carboguard 60 Part B: 71°F (21.7°C) Mixed: 78°F (25.6°C)

### 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 to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. 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. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.