

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Modified polyester-polyurethane
<b>Description</b>	A high performance finish that provides a durable, impermeable, and easily sanitized surface. This polyester- polyurethane is fortified for film toughness, quick-dry properties, and outstanding color stability. Used to provide the best overall protection for a combination of aggressive chemicals/ cleaning, abrasion and impact resistance, and color stability.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Versatile multi-purpose coating</li> <li>• Tough, high gloss finish</li> <li>• Excellent application properties</li> <li>• VOC-compliant for most areas</li> <li>• Tough, chemical resistant film</li> <li>• Excellent color stability</li> <li>• Suitable for use in USDA inspected facilities</li> </ul>
<b>Color</b>	Refer to Carboline Color Guide
<b>Finish</b>	Gloss
<b>Primer</b>	Refer to Substrates & Surface Preparation
<b>Dry Film Thickness</b>	2 - 3 mils (51 - 76 microns) per coat <b>Do not exceed 3.0 mils in a single coat.</b>
<b>Solids Content</b>	By Volume 62% +/- 2%
<b>Theoretical Coverage Rate</b>	994 ft <sup>2</sup> /gal at 1.0 mils (24.4 m <sup>2</sup> /l at 25 microns) 497 ft <sup>2</sup> /gal at 2.0 mils (12.2 m <sup>2</sup> /l at 50 microns) 331 ft <sup>2</sup> /gal at 3.0 mils (8.1 m <sup>2</sup> /l at 75 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 2.55 lbs/gal (306 g/l) Thinner 45 : 7.5 oz: 2.8 lbs/gal (336 g/l)  These are nominal values and may vary slightly with color.
<b>Dry Temp. Resistance</b>	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)  Discoloration and loss of gloss is observed above 200 °F (93 °C).

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Surfaces <u>must</u> 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>	SSPC-SP6 with a 1.0-2.0 mil (25-50 micron) surface profile for maximum protection. SSPC-SP2 or SP3 as minimum requirement. Prime with specific Carboline primers as recommended by your Carboline sales representative.
<b>Galvanized Steel</b>	SSPC-SP1. Prime with specific Carboline primers as recommended by your Carboline sales representative.

## SUBSTRATES & SURFACE PREPARATION

<b>Concrete or CMU</b>	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.
<b>Drywall &amp; Plaster</b>	Joint compound and plaster should be fully cured prior to coating application. Prime with Sanitile 120.
<b>Previously Painted Surfaces</b>	Lightly sand or abrade to roughen and degloss the surface. Existing paint must attain a minimum 3B rating in accordance with ASTM D3359 "X-Scribe" adhesion test. Prime with Sanitile 120 or others.

## MIXING & THINNING

<b>Mixing</b>	Power mix until uniform in consistency. When using fortifier, combine components and power mix together. <b>DO NOT MIX PARTIAL KITS.</b>
<b>Thinning</b>	<p>Normally not required but may thin as follows:          Spray: Up to 7.5 oz/gal (6%) w/Thinner 45          Brush: Up to 7.5 oz/gal (6%) w/Thinner 45          Roller: Up to 7.5 oz/gal (6%) w/Thinner 45</p> <p><b>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></p>
<b>Ratio</b>	8:1 Ratio (A to Fortifier)
<b>Pot Life</b>	6 hours at 75 °F (24 °C). Pot life ends when material begins to gel.

## 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>Spray Application (General)</b>	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.
<b>Conventional Spray</b>	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.052" I.D. fluid tip and appropriate air cap.
<b>Airless Spray</b>	<p>Pump Ratio: 30:1 (min.)*          GPM Output: 3.0 (min.)          Material Hose: 3/8" I.D. (min.)          Tip Size: 0.013-0.015"          Output PSI: 2500-3000          Filter Size: 60 mesh          *PTFE packings are recommended and available from the pump manufacturer.</p>
<b>Brush &amp; Roller (General)</b>	Multiple coats may be required to achieve desired appearance, hiding and recommended dry film thickness. Avoid excessive re-brushing or re-rolling.
<b>Brush</b>	Use a natural bristle brush.
<b>Roller</b>	Use a short-nap synthetic roller cover with phenolic core.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	35°F (2°C)	35°F (2°C)	35°F (2°C)	0%
Maximum	120°F (49°C)	165°F (74°C)	120°F (49°C)	95%

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	Final Cure
45°F (7°C)	8 Hours	7 Days	28 Days
60°F (16°C)	4 Hours	2 Days	14 Days
75°F (24°C)	1 Hour	8 Hours	7 Days
90°F (32°C)	1 Hour	8 Hours	5 Days
105°F (41°C)	1 Hour	6 Hours	3 Days

These times are based on a 2.0-3.0 mil (50-75 micron) dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times and could result in solvent entrapment or premature failure. **Note:** Dry to recoat time is 24 hours at 75 °F (24 °C).

## 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. Use adequate ventilation. Keep container closed when not in use.

## PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	Part A: 24 months at 75 °F (24 °C) Part B: 24 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- 110 °F (4-43 °C) 0-90% Relative Humidity
<b>Storage</b>	Store Indoors.
<b>Shipping Weight (Approximate)</b>	<u>1.125 Gallon Kit</u> - 14 lbs (5.5 kg) <u>5.625 Gallon Kit</u> - 68 lbs (28 kg)
<b>Flash Point (Setaflash)</b>	Part A (855): 102 °F (39 °C) Fortifier: 98 °F (36 °C)

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## **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 Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. 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.