

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	PVA / Acrylic Latex
<b>Designation</b>	<p><b>This is a Carboline Specialty Product</b></p> <p>Minimum order quantities and special pricing will apply in North America. Contact your Carboline Sales Representative for more details.</p>
<b>Description</b>	One component, water based, low VOC, low gloss, Direct to Metal (DTM) acrylic latex coating that provides an excellent moisture barrier.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Excellent water resistance</li> <li>• Low VOC</li> <li>• Easy one coat coverage</li> <li>• Excellent adhesion to metal</li> <li>• Resistant to spillage /splash of mild chemical</li> <li>• Flexible</li> <li>• Very fast dry</li> <li>• Heat Resistant</li> </ul>
<b>Color</b>	Black or per customer requirements
<b>Finish</b>	Flat
<b>Dry Film Thickness</b>	<p>3 - 5 mils (76 - 127 microns) single coat</p> <p>Not to exceed 10 mils (250 µm) DFT</p>
<b>Solids Content</b>	By Volume 39% +/- 3%
<b>Theoretical Coverage Rate</b>	<p>626 ft<sup>2</sup>/gal at 1.0 mils (15.4 m<sup>2</sup>/l at 25 microns)</p> <p>209 ft<sup>2</sup>/gal at 3.0 mils (5.1 m<sup>2</sup>/l at 75 microns)</p> <p>125 ft<sup>2</sup>/gal at 5.0 mils (3.1 m<sup>2</sup>/l at 125 microns)</p> <p>Allow for loss in mixing and application.</p>
<b>VOC Values</b>	<p><b>As Supplied : 0</b></p> <p>Calculated</p>

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Designed to be applied direct to metal in a single or two coat application.
<b>Steel</b>	<p>Severe service applications – blasted to SSPC-SP-10 to a 1.5-2.5 mil angular profile</p> <p>Lesser service applications – blasted to SSPC-SP-6</p> <p>Surface to be free of all looser rust, dirt, grease and other contaminants</p>
<b>Aluminum</b>	Remove all surface contaminants and treat with Strathmore's Wash Primer or equivalent

**PERFORMANCE DATA**

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	System	Results
Adhesion (ASTM D3359)	Driquik W/R VOC DTM	5B
Conical Mandrel Flexibility (ASTM D522)	Driquik W/R VOC DTM	Passes 1/8"
Hardness (ASTM D3363)	Driquik W/R VOC DTM	3B
Heat Resistance	Driquik W/R VOC DTM	5 hrs @ 400°F (204°C) for two consecutive days
Humidity Resistance (ASTM D4585)	Driquik W/R VOC DTM	>2000 hrs
Impact Resistance (ASTM D2794)	Driquik W/R VOC DTM	Up to 120 lbs.in (Direct) 60 lbs. in (Rev)
Water Resistance (ASTM D870)	Driquik W/R VOC DTM	700 Hrs

**MIXING & THINNING**

**Mixing** | Agitate thoroughly

**Thinning** | Not Recommended, if necessary reduce 3-5% with water

**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**

- 45:1 Airless spray equipment
- 0.015 to 0.019
- Pump Pressure: 2500-3500 psi (17-24 MPa)

To minimize or eliminate thinner, use in-line heated equipment with insulated hoses to reach application vis.  
 Do not exceed 165°F (74°C).

**APPLICATION CONDITIONS**

Condition
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Must be a minimum of 5°F (3°C) above the dew point during the surface preparation and coating application

**CURING SCHEDULE**

Surface Temp.	Dry to Touch	Recoat Time	Dry to Handle	Dry Hard
70°F (21°C)	1 Hour	1 Hour	2 Hours	24 Hours

**Force Cure** | If car is force dried, 1 hr minimum air dry @75°F (23°C) before oven. Then force dry @145°F (60°C) for 1 hour, adjusting for ambient maximum conditions.

**CLEANUP & SAFETY**

**Cleanup**

Water may be used for clean up. Batch mixed material will set up in the lines and equipment if left overnight. With plural component equipment, be sure to flush from the mixing head through the delivery hose and guns.

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## CLEANUP & SAFETY

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<b>Safety</b>	Handle with care. Before and during use, observe all safety labels on packaging and paint containers and follow all caution statements on this product data sheet. Consult Safety Data Sheet (SDS) for this product and follow all local or national safety regulations. 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 ensure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.

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## PACKAGING, HANDLING & STORAGE

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<b>Packaging</b>	55 gal drums or 5 gal pails
<b>Shelf Life</b>	24 months from date of manufacturing When kept at recommended storage conditions at 70°F (21°C) and in original unopened containers. Do not use material beyond shelf life.
<b>Storage Temperature &amp; Humidity</b>	Do not store at temperatures above 100°F (38°C).
<b>Storage</b>	Containers must be closed tightly. Do not store outside. Rotate stock.

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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.