

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Waterborne Acrylic
<b>Description</b>	A single component, fast dry primer with good corrosion protection. Waterborne formulation provides low VOC, low odor, and cleans up with water to eliminate solvents. Provides good flexibility and can be applied over a wide variety of substrates.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Single component</li> <li>• Good corrosion protection</li> <li>• Fast dry</li> <li>• Low VOC</li> <li>• Low odor</li> <li>• Clean up with water</li> <li>• Good flexibility</li> </ul>
<b>Color</b>	0500 Red oxide
<b>Primer</b>	Self-priming on properly prepared steel, galvanized metal, aluminum, existing coatings with good adhesion, concrete, etc.
<b>Dry Film Thickness</b>	2 - 3 mils (51 - 76 microns) per coat
<b>Solids Content</b>	By Volume 39% +/- 2%
<b>Theoretical Coverage Rate</b>	626 ft <sup>2</sup> /gal at 1.0 mils (15.4 m <sup>2</sup> /l at 25 microns) 313 ft <sup>2</sup> /gal at 2.0 mils (7.7 m <sup>2</sup> /l at 50 microns) 209 ft <sup>2</sup> /gal at 3.0 mils (5.1 m <sup>2</sup> /l at 75 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 0.54 lbs/gal (65 g/l)
<b>Limitations</b>	Heat cure is not recommended. Not recommended for immersion service nor continuous solvent splash.
<b>Topcoats</b>	Driquik 24 DTM and waterborne acrylic finishes as recommended by Carboline.

## 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 in accordance with SSPC-SP 1.
<b>Steel</b>	Minimum Commercial Blast Clean in accordance with NACE No. 3/SSPC-SP 6 with 1.0-1.5 mil (25-38 microns) surface profile for maximum protection. Hand Tool Clean or Power Tool Clean in accordance with SSPC-SP 2 or SSPC-SP 3 is acceptable for mild exposures.
<b>Galvanized Steel</b>	Clean to remove all contaminants in accordance with SSPC-SP 16 with 1-1.5 mil (25-38 microns) anchor profile.
<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 a surface profile in accordance with ICRI CSP 2 or CSP 3.

## SUBSTRATES & SURFACE PREPARATION

<b>Previously Painted Surfaces</b>	All surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and other contaminants that could interfere with adhesion of the coating in accordance with SSPC-SP 1. It is recommended to lightly abrade the existing coating to roughen and degloss the coating. Existing coatings must attain a minimum 3A rating in accordance with ASTM D3359 Measuring Adhesion by Tape Test.
<b>Non-Ferrous Metals</b>	Clean to remove all contaminants in accordance with SSPC-SP 16 with 1.0-1.5 mil (25-38 microns) anchor profile.

## MIXING & THINNING

<b>Mixing</b>	Power mix until uniform in consistency. Avoid entraining air.
<b>Thinning</b>	Not normally required or desired. If necessary thin with clean potable water only up to a maximum of 5% or 6 oz. per gallon.

## 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. Do not apply with a cup-type spray gun.
<b>Airless Spray</b>	Pump Ratio: 30:1 (min.) GPM Output: 2.0 (min.) Material Hose: 1/4" I.D. (min.) Tip Size: .015-.017" Output PSI: 1,550 - 2,200 psi Filter Size: 60 mesh PTFE packings are recommended and available from the pump manufacturer.
<b>Brush &amp; Roller (General)</b>	Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive brushing or rolling.
<b>Brush</b>	Use polyester or nylon brushes.
<b>Roller</b>	Use short-nap 1/4" to 3/8" roller covers.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	105°F (41°C)	130°F (54°C)	110°F (43°C)	85%

**Do not apply when the surface temperature is less than 5°F (3°C) above the dew point. Do not apply if temperatures are expected to drop below 50°F (10°C) within 24 hours of application.** 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	Dry to Topcoat
50°F (10°C)	25 Minutes	45 Minutes	2 Hours
75°F (24°C)	10 Minutes	15 Minutes	1 Hour
90°F (32°C)	10 Minutes	15 Minutes	1 Hour

These times are based on a 2.0-3.0 mil (50-75 micron) dry film thickness, 50% relative humidity, and test method ASTM D1640. Higher film thickness, insufficient ventilation, higher humidity and cooler temperatures will require longer cure times. Waterborne acrylics are sensitive to moisture and handling damage during early cure phase.

## CLEANUP & SAFETY

<b>Cleanup</b>	Use warm soap and water before the coating dries. 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>	12 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>	45° -110°F (7°-43°C) 0-95% Relative Humidity
<b>Storage</b>	Store Indoors. KEEP FROM FREEZING
<b>Shipping Weight (Approximate)</b>	5 Gallons - 60 lbs (27 kg) 50 Gallons Drum - 572 lbs (259 kg) 275 Gallons Tote - 3,134 lbs (1,422 kg)
<b>Flash Point (Setflash)</b>	152°F (67°C)

## WARRANTY

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