

SELECTION & SPECIFICATION DATA

Generic Type	Waterborne Acrylic
Description	A single component, fast dry direct to metal (DTM) finish with good corrosion protection. Waterborne formulation provides low VOC, low odor, and cleans up with water to eliminate solvents. Provides good flexibility and weatherability. Can be applied over a wide variety of substrates. Can be applied over Driquik 20 primer for even better corrosion protection.
Features	<ul style="list-style-type: none"> • Single component • DTM Finish • Good corrosion protection • Fast dry • Low VOC • Low odor • Clean up with water • Good flexibility • Good weatherability
Color	0545 Brown (Gloss), 1907 Black (Flat), 1912 Black (Semi-Gloss), 8626 Yellow (Gloss), F789 Grey (Gloss), and 9851 White (Semi-Gloss). Other colors may be available upon request.
Primer	Self-priming on properly prepared steel, galvanized metal, aluminum, existing coatings with good adhesion, concrete, etc. Can also be applied over Driquik 20 primer for even better corrosion protection.
Dry Film Thickness	2 - 3 mils (51 - 76 microns) per coat
Solids Content	By Volume 36% +/- 2% Varies by color.
Theoretical Coverage Rate	577 ft ² /gal at 1.0 mils (14.2 m ² /l at 25 microns) 289 ft ² /gal at 2.0 mils (7.1 m ² /l at 50 microns) 192 ft ² /gal at 3.0 mils (4.7 m ² /l at 75 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 0.61-1.36 lbs/gal (73-163 g/l) VOC varies by color.
Limitations	Heat cure is not recommended. Not recommended for immersion service nor continuous solvent splash.
Topcoats	Driquik 24 DTM and waterborne acrylic finishes as recommended by Carboline.

SUBSTRATES & SURFACE PREPARATION

General	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.
Steel	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.

SUBSTRATES & SURFACE PREPARATION

Galvanized Steel	Clean to remove all contaminants in accordance with SSPC-SP 16 with 1-1.5 mil (25-38 microns) anchor profile.
Concrete or CMU	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.
Previously Painted Surfaces	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.
Non-Ferrous Metals	Clean to remove all contaminants in accordance with SSPC-SP 16 with 1.0-1.5 mil (25-38 microns) anchor profile.

MIXING & THINNING

Mixing	Power mix until uniform in consistency. Avoid entraining air.
Thinning	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.

Spray Application (General)	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.
Airless Spray	Pump Ratio: 30:1 (min.) GPM Output: 2.0 (min.) Material Hose: 1/4" I.D. (min.) Tip Size: .015-.017" Output PSI: 1,200 - 2,200 psi Filter Size: 60 mesh PTFE packings are recommended and available from the pump manufacturer.
Brush & Roller (General)	Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive brushing or rolling.
Brush	Use polyester or nylon brushes.
Roller	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)	20 Minutes	1 Hour	2 Hours
75°F (24°C)	10 Minutes	45 Minutes	1 Hour
90°F (32°C)	10 Minutes	35 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

Cleanup	Use warm soap and water before the coating dries. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety	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

Shelf Life	12 months at 75°F (24°C) Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.
Storage Temperature & Humidity	45° -110°F (7°-43°C) 0-95% Relative Humidity
Storage	Store Indoors. KEEP FROM FREEZING
Shipping Weight (Approximate)	5 Gallons - 46-49 lbs (21-22 kg) 50 Gallons Drum - 475-520 lbs (215-236 kg) 275 Gallons Tote - 2,498-2,765 lbs (1,133-1,254 kg)
Flash Point (Setflash)	>141°F (61°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 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.