

SELECTION & SPECIFICATION DATA

Generic Type	Waterborne Acrylic Finish
Description	Waterborne acrylic finish used for the protection of drywall and masonry surfaces in light to medium duty service. Excellent application characteristics, low odor, and low VOC. Satin finish provides a pleasing and easily cleanable finish. May also be used for exterior exposed areas due to its weatherability.
Features	<ul style="list-style-type: none"> • Single component • Excellent brush, roll or spray • Low odor, low VOC • Excellent color and gloss retention • Rapid tint color service • Suitable for use in USDA inspected facilities
Color	Refer to Carboline Color Guide.
Finish	Satin
Primer	Typically used over Sanitile 120 or Sanitile 100. See "Substrates and Surface Preparation" for specific primer recommendations.
Dry Film Thickness	2 - 3 mils (51 - 76 microns) per coat Do not exceed 3.0 mils (75 microns) in a single coat.
Solids Content	By Volume 36% +/- 2%
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 : 0.99 lbs/gal (119 g/l) EPA Method 24: 2.09 lbs/gal (250 g/l) (Calculated minus water and exempt solvent.) These are nominal values and may vary slightly with color.
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C) Slight discoloration and loss of gloss is observed above 200°F (93°C).
Limitations	Apply and cure at 50 °F (10 °C) and above for 24 hour period.

SUBSTRATES & SURFACE PREPARATION

General	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.
Steel	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.
Galvanized Steel	SSPC-SP1. Prime with Sanitile 120 or others as recommended.

SUBSTRATES & SURFACE PREPARATION

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 surface profile in accordance with the appropriate ICRI CSP 2-5.
Drywall & Plaster	Joint compound and plaster should be fully cured prior to coating application. Prime with Sanitile 120.
Previously Painted Surfaces	Lightly sand or abrade to roughen surface and degloss the surface. Existing paint must attain a minimum 3B rating in accordance with ASTM D3359 "X-Scribe" adhesion test. Prime with Carbocrylic [®] 120.
Wood	Lightly sand with fine sandpaper and remove dust. Prime with Sanitile 120.

MIXING & THINNING

Mixing	Power mix until uniform in consistency. Avoid excessive air entrapment.
Thinning	Normally not required. May be thinned up to 6 oz/gal (5%) with clean, potable water. Material is ready to be applied as supplied. Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

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.
Conventional Spray	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, .043" I.D. fluid tip and appropriate air cap.
Airless Spray	<ul style="list-style-type: none"> • Pump Ratio: 30:1 (min.)* • GPM Output: 3.0 (min.) • Material Hose: 3/8" I.D. (min.) • Tip Size: 0.015-0.019" • Output PSI: 1800-2100 • Filter Size: 60 mesh <p>*PTFE packings are recommended and available from the pump manufacturer.</p>
Brush & Roller (General)	Multiple coats may be required to achieve desired appearance, hiding and recommended dry film thickness. Avoid excessive re-brushing or re-rolling.
Brush	Use a synthetic bristle brush.
Roller	Use a short-nap synthetic roller cover with solvent resistant core.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	100°F (38°C)	130°F (54°C)	120°F (49°C)	90%

Do not apply when the surface temperature is less than 5 °F (3 °C) above the dew point. Water-based products are sensitive to moisture during cure. Protect from rain for 72 hours at 75 °F (24 °C). **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.

CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry to Topcoat
50°F (10°C)	6 Hours	8 Hours
60°F (16°C)	4 Hours	4 Hours
75°F (24°C)	0.75 Hours	2 Hours
90°F (32°C)	0.5 Hours	1 Hour

These times are based on a 2.0 mil (50 micron) dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times.

The acrylic film forming process may require several weeks at 75 °F (24 °C) with proper ventilation to develop adhesion and water resistance. High humidity, high film thickness, insufficient ventilation or cooler temperatures will lengthen the Dry to Touch and Dry to Topcoat times due to slower water evaporation rate. Waterborne acrylics are sensitive to moisture during early cure and are susceptible to handling damage.

CLEANUP & SAFETY

Cleanup	Use warm, soapy water. If material has dried or if equipment is to be used with solvent based coatings, use Thinner 2 or Acetone. Flush spray equipment with Thinner 2 or Acetone after cleanup. 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	24 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	40-110 °F (4-43 °C) 0-90% Relative Humidity
Storage	Store Indoors. KEEP FROM FREEZING.
Shipping Weight (Approximate)	<u>1 Gallon</u> - 12 lbs (5 kg) <u>5 Gallons</u> - 55 lbs (25 kg)
Flash Point (Setaflash)	>200 °F (93 °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.