

Selection & Specification Data

Generic Type	Waterborne Acrylic
Description	Universal bonding primer that adheres tenaciously to virtually any surface including difficult-to-coat substrates like galvanized and stainless steel, aluminum, PVC, FRP and ceramic tile. Designed for topcoating with most generic types.
Features	<ul style="list-style-type: none"> • Excellent primer/sealer for drywall • Glue-like bond to almost any surface • Outstanding tie-coat over existing coatings • Single component, thin-film application • Topcoat with virtually any generic coating • Ready-to-apply as supplied • Fast drying • Low odor; low VOC • Suitable for use in USDA inspected facilities
Color	Translucent White (0800)
Finish	Satin
Primer	Typically self-priming or used as a tie-coat
Dry Film Thickness	1.0 - 2.0 mils (25 - 51 microns) per coat
	Do not exceed 3.0 mils in a single coat.
Solids Content	By Volume 38% +/- 2%
Theoretical Coverage Rate	610 ft ² at 1.0 mils (15.0 m ² /l at 25 microns) 305 ft ² at 2.0 mils (7.5 m ² /l at 50 microns)
	Allow for loss in mixing and application.
VOC Values	As Supplied 0.82 lbs/gal (98 g/l) These are nominal values.
Dry Temp. Resistance	Continuous: 150 °F (66 °C) Non-Continuous: 180 °F (82 °C) Slight discoloration and loss of gloss is observed above 150 F (66 C).
Limitations	Not to be used as a "filler" for CMU.
Topcoats	May be coated with Acrylics, Epoxies, Alkyds, or Polyurethanes depending on exposure and need.

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	Not recommended in corrosive environments (does not contain a corrosion inhibitor).
Galvanized Steel	SSPC-SP1 (also used for Stainless Steel)
Aluminum	SSPC-SP1
Concrete or CMU	Concrete <u>must</u> be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Laitance, form oils, curing agents and hardeners should be removed by suitable method prior to coating application.
Drywall & Plaster	Joint compound and plaster should be fully cured prior to coating application.

Substrates & Surface Preparation

Previously Painted Surfaces	Lightly sand or abrade to roughen and degloss the surface. Existing paint must attain a minimum 3A rating in accordance with ASTM D3359 "X-Scribe" adhesion test.
Wood	Lightly sand with fine sandpaper and remove dust.
Other Aged Finishes	For other surfaces not listed, apply a test patch and perform "X-Scribe" adhesion test in accordance with ASTM D3359. Must achieve a minimum 3A rating.
Ceramic Tile	SSPC-SP1
FRP	SSPC-SP1: Lightly sand with fine sandpaper and remove dust.
PVC	SSPC-SP1

Performance Data

Test Method	System	Results
ASTM D3359 Adhesion	Drywall 1 ct. 120	4A-5A
ASTM D4541 Adhesion	Blasted Steel 1 ct. 120	600 psi (Elcometer)
ASTM D4541 Adhesion	Blasted Steel IOZ 120 Polyurethane	650 psi (Elcometer) after 1000 hour exposure to ASTM B117 Salt Fog
ASTM D4541 Adhesion	Galvanized 1 ct. 120	475 psi (Elcometer)
ASTM G26 Weatherometer	Blasted Steel IOZ 120 Polyurethane	No blistering, rusting, cracking, checking after 2000 hours

Test reports and additional data available upon written request.

Mixing & Thinning

Mixing	Power mix until uniform in consistency. Avoid excessive air entrapment.
Thinning	Designed to be used as supplied. If thinning is necessary, it may be thinned up to 12 oz/gal (9%) with potable water. 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.
Conventional Spray	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.043" I.D. fluid tip and appropriate air cap.

Sanitile[®] 120

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	Pump Ratio: 30:1 (min.) GPM Output: 3.0 (min.) Material Hose: 3/8" I.D. (min.) Tip Size: 0.015-0.017" Output PSI: 2000-2300 Filter Size: 60 mesh
Brush & Roller (General)	Sanitile 120 is translucent and will appear not to fully hide at the recommended dry film thickness, and may have a streaky appearance when applied by brush or roller. These are normal conditions and won't affect performance. Avoid excessive re-brushing or re-rolling.
Brush	Use a synthetic bristle brush.
Roller	Use a short-nap synthetic roller cover with phenolic core.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Minimum	45 °F (7 °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. 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 Recoat/ Topcoat with Water Base	Dry to Topcoat with Solvent Base	Final Cure General
50 °F (10 °C)	3 Hours	12 Hours	60 Hours	28 Days
60 °F (16 °C)	3 Hours	4 Hours	36 Hours	14 Days
75 °F (24 °C)	1 Hours	1 Hours	24 Hours	7 Days
90 °F (32 °C)	1 Hours	1 Hours	18 Hours	4 Days

These times are based on 50% relative humidity and 1.0 mil (25 micron) dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times.

Cleanup & Safety

Cleanup	Spray equipment should be flushed with water followed by mineral spirits. Brushes and rollers should be cleaned immediately after use with soap and water. If Sanitile 120 dries before it is cleaned up, use a heavy-duty ammoniated household cleaner and rinse thoroughly with water. 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 and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use.

Packaging, Handling & Storage

Shelf Life	Min. 36 months at 75°F (24°C) <small>*Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.</small>
Shipping Weight (Approximate)	1 Gallon - 13 lbs (6 kg) 5 Gallons - 61 lbs (28 kg)
Storage Temperature & Humidity	40° -110°F (4°-43°C) 0-95% Relative Humidity
Flash Point (Setaflash)	>200°F (93°C)
Storage	Store Indoors. KEEP FROM FREEZING.



November 2016

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 or injuries resulting from use. Liability, if any, is limited to replacement of products. 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. Carboline® and Carboguard® are registered trademarks of Carboline Company.

0255