Sanitile® 255

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Cross-linked, high-performance water-based epoxy acrylic finish
Description	A water-based epoxy acrylic finish that is easy to apply, has an attractive semi-gloss appearance, and has good chemical resistance. It is used primarily in more light to moderate exposures on walls and structural components.
Features	• High-performance WB epoxy acrylic finish • Good chemical resistance • Resists repeated cleaning • Tile-like finish for ease of cleaning • Low odor, low VOC • Fast dry to touch and recoat • Yellowing resistant finish • Suitable for use in USDA inspected facilities
Color	Refer to Carboline color card.
Finish	Gloss Semi-gloss available on special order
Primer	Normally applied over other Sanitile primers/sealers.
Dry Film Thickness	2 - 3 mils (51 - 76 microns) per coat
Solids Content	By Volume 42% +/- 2%
Theoretical Coverage Rate	674 ft²/gal at 1.0 mils (16.5 m²/l at 25 microns) 337 ft²/gal at 2.0 mils (8.3 m²/l at 50 microns) 225 ft²/gal at 3.0 mils (5.5 m²/l at 75 microns) Allow for loss in mixing and application.
VOC Values	**As Supplied** : 0.61 lbs/gal (73 g/l) EPA Method 24: 1.25 lbs./gal (150 g/l) These are nominal values and may vary slightly with color.
Dry Temp. Resistance	Continuous: 250°F (121°C) Non-Continuous: 300°F (149°C)

SUBSTRATES & SURFACE PREPARATION

General	Remove any oil or grease from the surface to be coated with clean rags soaked in Carboline Thinner 2 or Surface Cleaner 3 (refer to Surface Cleaner 3 instructions) in accordance with SSPC-SP1. Apply over clean, dry recommended primers only.
Steel	Prime with suitable primer as recommended by your Carboline sales representative.
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.

MIXING & THINNING

Mixing	Power mix base, then combine as follows: 1.25 Gallon Kit Part A: 1 Gallon Part B: 1 Quart 5 Gallon Kit Part A: 4 Gallons Part B: 1 Gallon
Thinning	Not normally required. May be thinned up to 5% with clean potable water.
Ratio	4:1
Pot Life	8 hours at 75 °F (24 °C) and less at higher temperatures. Do not use after 8 hours, even if the material remains fluid.

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, Speedflo, and Graco. Prior to use, flush all equipment with Thinner 21 followed by clean potable water.
Conventional Spray	Pressure pot equipped with dual regulators, 3/8” I.D. minimum material hose, with a maximum length of 50’, 0.070” I.D. fluid tip and appropriate air cap.
Airless Spray	Pump Ratio: 30:1 (minimum)* GPM Output: 3.0 (minimum) Material Hose: 3/8” I.D. (minimum) Tip Size: .017-0.019” Output PSI: 1600-2400 Filter Size: 60 mesh *PTFE packings are recommended and available from the pump manufacturer.
Brush & Roller (General)	Multiple coats may be required to achieve desired dry film thickness and hiding characteristics.
Brush	Use a synthetic bristle brush.
Roller	For smooth surfaces, use a short woven nap synthetic roller. For rough surfaces, cinder block or very porous concrete, use a 3/8” woven nap synthetic roller.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	20%
Maximum	95°F (35°C)	110°F (43°C)	110°F (43°C)	90%

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. Special application techniques may be required above or below normal application conditions.

CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Recoat	Hard Cure
50°F (10°C)	5 Hours	16 Hours	48 Hours
75°F (24°C)	2 Hours	4 Hours	24 Hours
90°F (32°C)	90 Minutes	3 Hours	12 Hours

These times are based on a 2.0-3.0 mil (50-75 microns) dry film thickness. Higher film thicknesses, insufficient ventilation, high humidity or cooler temperatures will require longer cure times. ***Fingernail hard.**

CLEANUP & SAFETY

Cleanup
Use clean potable water followed with suitable solvent to dry equipment. If partially dry use Thinner 2. 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
- Part A: 24 Months at 75 °F (24 °C)
- Part 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.

Storage Temperature & Humidity
40-100 °F
0-90% Relative Humidity

Storage
Store Indoors. Water-based product; **DO NOT FREEZE.**

Shipping Weight (Approximate)
1.25 Gallon Kit - 13.75 Lbs. (6.3 kg)
5 Gallon Kit - 55 Lbs. (25 kg)

Flash Point (Setaflash)
Part A: >200 °F
Part B: >200 °F

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.