

Selection & Specification Data

Generic Type	Polyamido-Amine Epoxy
Description	A solvent-free, low odor epoxy coating that can be applied direct to substrate. Sanitile 755 has outstanding wetting properties that permit its application direct to concrete, CMU, or steel surfaces. Normally applied in 1 or 2 coats, it will seal and protect walls, ceilings and equipment from aggressive chemicals and cleaning. This one product performs a multitude of tasks on a single project from steel protection to sealing concrete and CMU surfaces.
Features	<ul style="list-style-type: none"> ▪ Excellent adhesion and sealing properties over masonry substrates ▪ Surface tolerant characteristics to existing finishes and SP2, SP3-cleaned steel ▪ Single-coat application in most instances ▪ High-build capability ▪ Self-priming and primer/finish capabilities ▪ Excellent abrasion and moisture resistance ▪ True brush & roll characteristics ▪ VOC compliant to current AIM regulations ▪ Suitable for use in USDA inspected facilities
Color	White (1864) and Gray (C705) are standard colors
Finish	Gloss
Primers	Self-priming. May be applied other tightly adhering coatings. Do not apply over latex coatings.
Topcoats	Normally none. May be topcoated with Acrylics, Epoxies, and Polyurethanes
Dry Film Thickness	3.0-12.0 mils (75-300 microns) per coat depending on application and amount of thinning. Do not exceed 18.0 mils (450 microns) per coat. Film build decreases with pot life.
Solids Content	By Volume: 99.5% ± .5%
Theoretical Coverage Rate	1604 mil ft ² (39.0 m ² /l at 25 microns) Allow for loss in mixing and application
VOC Values	As supplied: Trace (5 g/l) EPA Method 24: Trace (10 g/l) Thinned: 15 oz/gal w/ #2: 0.81 lbs/gal (98 g/l) 16 oz/gal w/ #76:* 0.81 lbs/gal (98 g/l) These are nominal values and may vary slightly with color. *Use Thinner #76 for projects requiring non-photochemically reactive solvents.
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C) Discoloration and loss of gloss is observed above 200°F (93°C).

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.
Steel	SSPC SP6 with a 2.0-3.0 mil (50-75 micron) surface profile for maximum protection. SSPC-SP2 or SP3 for previously painted or weathered surface.
Galvanized Steel	SSPC-SP1/SP2/SP3 to achieve an oxide free substrate.
Concrete	Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete. Voids in concrete may require surfacing.
CMU	Mortar joints should be thoroughly cured for a minimum of 15 days at 75°F (24°C) and 50% relative humidity or equivalent. Self-priming or prime with suitable block filler.
Drywall & Plaster	Joint compound and plaster should be fully cured prior to coating application.
Previously Painted Surfaces	Sand or abrade to roughen and degloss the surface. Existing paint must attain a minimum 3B rating in accordance with ASTM D3359 "X-Scribe" adhesion test.

Sanitile 755

Application Equipment

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.

General Guidelines:

Spray Application (General) This is a high solids coating and may require adjustments in spray techniques. Wet film thickness is easily and quickly achieved. 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, .052" I.D. fluid tip and appropriate air cap.

Airless Spray Pump Ratio: 45:1 (min)*
GPM Output: 3.0 (min.)
Material Hose: 1/2" I.D. (min.)
Tip Size: .019"-.027"
Output PSI: 3000-3500
Filter Size: 30 mesh
*Teflon packings are recommended and available from the pump manufacturer.
Heated plural component spray equipment or thinning will aid in application of 755.

Brush & Roller (General) Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive re-brushing or re-rolling.

Brush Use a medium natural bristle brush.

Roller Use a short-nap synthetic roller cover with phenolic core.

Mixing & Thinning

Mixing Power mix separately, then combine and power mix. DO NOT MIX PARTIAL KITS.

Ratio 1:1 Ratio (A to B)

Thinning May be thinned up to 15 oz/gal (12%) with Thinner #2 or up to 16 oz/gal (13%) with Thinner #76. Additive 8506 may be used to reduce dry times. Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

Pot Life 90 minutes at 75°F (24°C). When using Additive 8506, pot life is 45 minutes at 75°F (24°C). Pot life ends when coating loses body and begins to sag. Pot life times will be less at higher temperatures.

Cleanup & Safety

Cleanup Use Thinner #2 or Acetone. 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 MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

Ventilation When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.

Caution This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

July 2010 replaces April 2003

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 Sanitile® are registered trademarks of Carboline Company.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	70°-80°F (21°-27°C)	70°-80°F (21°-27°C)	70°-90°F (21°-32°C)	0-75%
Minimum	60°F (16°C)	45°F (7°C)	45°F (7°C)	0%
Maximum	90°F (32°C)	110°F (43°C)	110°F (43°C)	85%

This product simply requires the substrate temperature to be 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. For best results on rough cementitious surfaces, spray apply at 16 to 20 wet mils (400-500 microns) and then back roll into the surface.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Recoat & Topcoat	Maximum Recoat Time	Final Cure
45°F (7°C)	72 Hours	120 Days	28 Days
60°F (16°C)	32 Hours	90 Days	14 Days
75°F (24°C)	24 Hours	60 Days	7 Days
90°F (32°C)	12 Hours	30 Days	4 Days
105°F (41°C)	8 Hours	15 Days	24 Hours
w/ additive 8506 (2 oz/gl)			
75°F (24°C)	17 Hours	30 Days	4 Days

These times are based on a 12.0 mil (300 micron) dry film thickness. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure. Excessive humidity or condensation on the surface during curing can interfere with the cure, can cause discoloration and may result in a surface haze. Any haze or blush must be removed by water washing before recoating. During high humidity conditions, it is recommended that the application be done while temperatures are increasing. If the maximum recoat time is exceeded, the surface must be abraded by sweep blasting or sanding before the application of additional coats.

Packaging, Handling & Storage

Shipping Weight (Approximate) 2 Gallon Kit 10 Gallon Kit
25 lbs (11 kg) 125 lbs (57 kg)

Flash Point (Setaflash) Part A: >205°F (96°C)
Part B: >205°F (96°C)

Storage Temperature & Humidity 40° -110°F (4°-43°C) Store indoors.
0-90% Relative Humidity

Shelf Life Part A: Min. 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.**



2150 Schuetz Rd., St. Louis, MO 63146
PH: 314-644-1000 Toll-Free: 800-848-4645
www.carboline.com

An **RPM** Company