

SELECTION & SPECIFICATION DATA

Generic Type	Cross-linked water-based epoxy
Description	A water-based epoxy finish that is easy to apply and has very good chemical resistance. Sanitile 555 VOC has minimal odor and is less than 100 g/L VOC. It has significant improvements in film hardness and toughness over straight acrylic or acrylic-epoxy coatings and is more chemically and physically resistant. It is therefore ideal for more aggressive exposures on walls and structural components than acrylic-modified epoxies. It may also be used for light to moderate duty floors.
Features	<ul style="list-style-type: none"> • Very good chemical resistance • Resists repeated cleaning • Gloss finish for ease of cleaning • Low odor, VOC is <100 g/L • Fast dry to touch and recoat • Hard, tough, abrasion resistant film • Suitable for use in USDA inspected facilities • Breathable for concrete with high moisture vapor transmission, when used as part of an all waterbased system
Color	Refer to Carboline color card
Finish	Gloss
Primer	Normally applied over other Sanitile primers/sealers
Dry Film Thickness	3 - 4 mils (76 - 102 microns) per coat
Solids Content	By Volume 44% +/- 2%
Theoretical Coverage Rate	706 ft ² /gal at 1.0 mils (17.3 m ² /l at 25 microns) 235 ft ² /gal at 3.0 mils (5.8 m ² /l at 75 microns) 176 ft ² /gal at 4.0 mils (4.3 m ² /l at 100 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 0.83 lb/gal (99 g/L) VOC listed is per EPA Method 24 (calc). This is a nominal value and may vary slightly with color.

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 <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 must be removed by suitable method before coating application. Mortar joints should be thoroughly cured for a minimum of 15 days at 75°F (24°C) and 50% RH or equivalent. Seal or fill as needed with a suitable Sanitile filler/surfacer/sealer or other appropriate primers.
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	2 hours at 75°F (24°C) and less at higher temperatures. Pot life viscosity remains fine for approximately 4 hours after mixing; however there is a drop off in gloss after 2 hours.

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. 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: 0.015-0.017" Output PSI: 1600-2400 Filter Size: 60 mesh
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)	10 Hours	12 Hours	36 Hours
75°F (24°C)	3 Hours	4 Hours	18 Hours
90°F (32°C)	2 Hours	3 Hours	12 Hours

These times are based on a 3.0-4.0 mil (75-100 microns) dry film thickness. Higher film thicknesses, insufficient ventilation, high humidity or cooler temperatures will require longer cure times. **Maximum recoat/topcoat time is 30 days at 75°F (24°C).** If the maximum recoat time has been exceeded, the surface must be abraded prior to the application of additional coats.

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	12 Months at 75°F 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.
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

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