

**Selection & Specification Data**

<b>Generic Type</b>	Cross-linked epoxy
<b>Description</b>	A hard, tough, abrasion resistant epoxy with a high gloss attractive appearance. It exhibits excellent brush and roll characteristics and has excellent chemical resistance. It is used in moderate to aggressive duty service to provide a tile-like surface on walls and structural components. May also be used for light to moderate duty floors.
<b>Features</b>	<ul style="list-style-type: none"> <li>▪ Excellent brush and roller application</li> <li>▪ Gloss finish</li> <li>▪ Excellent chemical resistance</li> <li>▪ Meets stringent VOC regulations</li> <li>▪ Hard, tough, abrasion resistant film</li> <li>▪ Suitable for use in USDA inspected facilities</li> </ul>
<b>Color</b>	Refer to Carboline Color Guide
<b>Finish</b>	Gloss
<b>Solids Content</b>	Theoretical solids of mixed material by volume: By Volume: 61% ± 2%
<b>Theoretical Coverage Rate</b>	Recommended 4-6 mils (100-150 microns) dry film thickness per coat. 987 mil ft <sup>2</sup> (24.28 m <sup>2</sup> /l at 25 microns) 247 ft <sup>2</sup> at 4 mils (6.05 m <sup>2</sup> /l at 100 microns) Allow for loss in mixing and application
<b>Dry Temp. Resistance</b>	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)
<b>VOC Values (calculated)</b>	As supplied: 2.79 lbs./gal (335 g/l) mixed Thinned: 12% with Thinner #33 at 15.5 oz/gal, 3.29 lbs/gal (394 g/l) These are nominal values and may vary with color.

**Substrates & Surface Preparation**

<b>General</b>	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.
<b>Steel</b>	Prime with suitable primer as recommended by your Carboline Sales Representative.
<b>Concrete</b>	Concrete must 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. Seal with Sanitile filler/sealer or other appropriate primer.
<b>CMU</b>	Mortar joints should be thoroughly cured for a minimum of 15 days at 75°F (24°C) and 50% RH or equivalent. Seal with Sanitile filler/sealer.
<b>Drywall &amp; Plaster</b>	Joint compound and plaster should be fully cured prior to coating application. Prime with Sanitile 120.

# Sanitile 655

## 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)** Keep material under mild agitation during application. Spray equipment from manufacturers such as Binks, DeVilbiss, and Graco have been found suitable for use.

**Airless Spray** Pump Ratio: 45:1 (minimum)\*  
GPM Output: 3.0 (minimum)  
Material Hose: 3/8" I.D. (minimum)  
Tip Size: 0.017-0.021"  
Output pressure: 2500-3000 psi  
Filter Size: 60 mesh  
\*Teflon packings are recommended and available from the pump manufacturer.

**Conventional Spray** Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.070" I.D. fluid tip and appropriate air cap.

**Brush or Roller** Use medium bristle brush or good quality short nap roller. Avoid excessive rebrushing and rerolling. Two coats may be required to obtain desired appearance, hiding and recommended DFT. For best results, tie-in within 10 minutes at 75°F.

## Mixing & Thinning

**Mixing** Power mix separately, then combine and power mix in the following proportions:

Ratio	<u>2 Gallon Kit</u>	<u>10 Gallon Kit</u>
Part A:	1 Gallon	5 Gallons
Part B:	1 Gallon	5 Gallons

**Thinning** May be thinned up to 12% by volume with Thinner #33. Refer to Specification Data for VOC information. Use of thinners other than those supplied or approved by Carboline may adversely affect product performance and void warranty, whether expressed or implied.

**Pot Life** 2½ hours at 75°F (24°C) and less at higher temperatures. Pot life ends when the coating becomes too viscous to use.

## 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. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use.

## Application Conditions

Condition	Material	Substrate	Ambient	Humidity
Normal	60-85°F	60-85°F	60-90°F	0-80%
Minimum	60°F	50°F	50°F	0%
Maximum	90°F	125°F	110°F	80%

Industry standards are for substrate temperatures to be 5°F (3°C) above the dew point. Special thinning and application techniques may be required above or below normal conditions.

## Curing Schedule

Surface Temp. @ 50% Relative Humidity	Touch Dry	Time to Recoat (minimum)	Hard Cure*
50°F	8 hours	24 hours	30 hours
60°F	2.5 hours	12 hours	24 hours
75°F	2 hours	6 Hours	18 hours

These times are based on recommended coverage rates.

\*Fingernail hard or light foot traffic.

## Packaging, Handling & Storage

### Shipping Weight (Approximate)

	<u>2 Gallon Kit</u>	<u>10 Gallon Kit</u>
Sanitile 655	24 lbs. (11 kg)	120 lbs. (55 kg)
Carboline Thinner #33	9 lbs. (4 kg)	43 lbs. (20 kg)

**Flash Point (Setaflash)** Sanitile 655 Part A: 50°F (10°C)  
Sanitile 655 Part B: 80°F (27°C)

**Storage (General)** Store indoors. **KEEP DRY.**

**Storage Temperature & Humidity** 40° - 100°F  
0-95% Relative Humidity

**Shelf Life** Part A: 36 months at 76°F (24°C)  
Part B: 36 months at 76°F (24°C)

**\*Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**



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