

## 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>Dry Film Thickness</b>	4 - 6 mils (102 - 152 microns) per coat
<b>Solids Content</b>	By Volume 61% +/- 2%
<b>Theoretical Coverage Rate</b>	978 ft <sup>2</sup> /gal at 1.0 mils (24.0 m <sup>2</sup> /l at 25 microns) 245 ft <sup>2</sup> /gal at 4.0 mils (6.0 m <sup>2</sup> /l at 100 microns) 163 ft <sup>2</sup> /gal at 6.0 mils (4.0 m <sup>2</sup> /l at 150 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 2.79 lbs/gal (335 g/l) mixed Thinner 33 : 12%: 15.5 oz/gal, 3.29 lbs/gal (394 g/l)  Calculated. These are nominal values and may vary with color.
<b>Dry Temp. Resistance</b>	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)

## 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>	Prepare surface per SSPC SP2 or 3 for mild to moderate duty service. For more aggressive service use SSPC SP6 (1-2.5 mil profile) and/or use over suitable primer. Consult Carboline Technical Service for specific uses.  Prime with suitable primer as recommended by your Carboline Sales Representative.
<b>Concrete or CMU</b>	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.
<b>Drywall &amp; Plaster</b>	Joint compound and plaster should be fully cured prior to coating application. Prime with Sanitile 120.

## MIXING & THINNING

<b>Mixing</b>	Power mix separately, then combine and power mix in the following proportions: <b>2 Gallon Kit</b> Part A: 1 Gallon Part B: 1 Gallon <b>10 Gallon Kit</b> Part A: 5 Gallons Part B: 5 Gallons
<b>Thinning</b>	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.
<b>Ratio</b>	1:1
<b>Pot Life</b>	2½ hours at 75 °F (24 °C) and less at higher temperatures. Pot life ends when the coating becomes too viscous to use.

## 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.

<b>Spray Application (General)</b>	<b>Keep material under mild agitation during application.</b> Spray equipment from manufacturers such as Binks, DeVilbiss, and Graco have been found suitable for use.
<b>Conventional Spray</b>	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.070" I.D. fluid tip and appropriate air cap.
<b>Airless Spray</b>	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 *PTFE packings are recommended and available from the pump manufacturer.
<b>Brush &amp; Roller (General)</b>	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.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	60°F (16°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	125°F (52°C)	110°F (43°C)	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.	Dry to Touch	Dry to Recoat	Hard Cure
50°F (10°C)	8 Hours	24 Hours	30 Hours
60°F (16°C)	2.5 Hours	12 Hours	24 Hours
75°F (24°C)	2 Hours	6 Hours	18 Hours

These times are based on recommended coverage rates.

**\*Fingernail hard or light foot traffic**

## 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 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: 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.

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

**Storage** | Store Indoors. KEEP DRY.

**Shipping Weight (Approximate)** | 2 Gallon Kit - 24 lbs. (11 kg)  
10 Gallon Kit - 120 lbs. (55 kg)

**Flash Point (Setaflash)** | Part A: 50 °F (10 °C)  
Part B: 80 °F (27 °C)  
Carboline Thinner 10: 80 °F (27 °C)

## WARRANTY

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