

SELECTION & SPECIFICATION DATA

Generic Type	100% solids, self-leveling epoxy
Description	Epoxy floor coating for use on metal and concrete surfaces. Provides durable floor finish with good resistance to common chemicals and daily forklift traffic. Provides an cost effective solution to floor coating needs.
Features	<ul style="list-style-type: none"> • High gloss finish • Good chemical resistance • Suitable for use in USDA inspected facilities • Very good abrasion resistance • Direct-to-concrete capability • Excellent receiving coat for quartz and flake broadcast floors
Color	Light Gray (C705), Machine Gray (0754), Tile Red (0516), Safety White (S800), Sterling Gray (6731)
Gloss	High Gloss
Primer	Carboseal 720, Carboguard 1340 WB or self priming
Dry Film Thickness	6 - 15 mils (152 - 381 microns) per coat
Solids Content	By Volume 100% +/- 1%
Theoretical Coverage Rate	1604 ft ² /gal at 1.0 mils (39.4 m ² /l at 25 microns) 267 ft ² /gal at 6.0 mils (6.6 m ² /l at 150 microns) 107 ft ² /gal at 15.0 mils (2.6 m ² /l at 375 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 0.0 lbs/gal (0 g/L)
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)
Topcoats	Optional topcoat for added protection. Carboseal 865, Carboseal 835, Carboseal 985, or as recommended by Carboline.

SUBSTRATES & SURFACE PREPARATION

Steel	Steel substrates to be coated should be abrasive blasted to a near white metal finish (SSPC-10 or NACE-2) with a 2 to 3 mils anchor profile.
Concrete	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 ICRI CSP 2-5. Contact Carboline for advice if there are impurities, such as oils, excess moisture, etc., in the concrete. Check the relative humidity of floors at ground level. Follow our instructions for connections to grid drains, cesspools, pipes and pipe inlets.

MIXING & THINNING

Mixing | Mix Part A and Part B separately first for 30 seconds. Combine Part A and part B in a 3 to 1 ratio and power mix for 2 minutes. Do not whip air into mixture. DO NOT USE PARTIAL KITS. No sweat-in or induction time is required. Thinning is not recommended.

Thinning | Not recommended.

Ratio | 3:1

Working Time | 30-60 mins @ 75 °F (24 °C) and less at higher temperatures.
Pot life ends when 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.

Brush & Roller (General) | Use a short-nap mohair roller cover with solvent resistant core and a rubber or EPDM squeegee. For best results condition roller before application to minimize lint or loose fibers. A high quality solvent resistant brush may be used for hard to reach areas.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	60°F (16°C)	50°F (10°C)	50°F (10°C)	10%
Maximum	85°F (29°C)	85°F (29°C)	90°F (32°C)	80%

Apply coating while concrete temperature is descending to reduce the chance of out-gassing or pin holing.

CURING SCHEDULE

Surface Temp.	Dry to Receive Light Traffic	Dry to Recoat	Dry to Topcoat Maximum	Final Cure Time	Tack Free
70°F (21°C)	12 Hours	8 Hours	24 Hours	7 Days	4 Hours

CLEANUP & SAFETY

Cleanup | Use MEK, Toluene, or Xylene. In case of spillage, absorb and dispose of in accordance with local governments regulations. Use adequate ventilation.

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

Packaging	<p>1 Gallon Kit Part A - 0.75 gal (2.8 liters) Part A - 0.25 gal (0.95 liters)</p> <p>4 Gallon Kit Part A - 3 gal (11.4 liters) Part A - 1 gal (3.8 liters)</p> <p>40 Gallon Kit Part A - 30 gal (113.6 liters) Part A - 10 gal (37.9 liters)</p>
Shelf Life	<p>24 months</p> <p>When stored indoors at 75 °F (24 °C) in recommended storage conditions in original unopened containers.</p>
Storage Temperature & Humidity	<p>40-110 °F (4-43 °C) 0-90% Relative Humidity</p>
Shipping Weight (Approximate)	<p>1 Gallon Kit - Approx. 12.4 lbs (5.6 kg/gal) 4 Gallon Kit - Approx. 50.5 lbs (23 kg/gal) 40 Gallon Kit - Approx. 496 lbs (225 kg/gal)</p>
Flash Point (Setflash)	<p>Part A: 225 °F (107 °C) Part B: 220 °F (93 °C)</p>

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.