

SELECTION & SPECIFICATION DATA

Generic Type	High-solids polyaspartic floor coating
Description	Carboseal 985 is a high-solids polyaspartic developed for floor coating applications. It is designed to optimize leveling and wetting properties. Its characteristics include excellent chemical resistance, adhesion, and resistance to UV degradation. Carboseal 985 will provide a smooth glossy finish when fully cured. It is low VOC product and is virtually odor free.
Features	<ul style="list-style-type: none"> • Quick return to service (2-4 hours for foot traffic) • Self-leveling • Smooth, gloss finish • Flexible with high impact resistance • Excellent UV protection • Excellent chemical and abrasion resistance • Extended pot-life or working time • 95% volume solids, low VOC, low odor • Suitable for use in USDA inspected facilities • Available in custom colors • Class A fire rating per ASTM E84
Color	White (A826), Light Grey (C705), Medium Grey (C703), Tile Red (0516), Blue (6164), Black (C900), Clear (0000) RTS available for custom colors
Finish	Gloss
Primer	Carboseal 580 at 1.5-2.0 mils DFT or other epoxy primers as recommended by Carboline.
Dry Film Thickness	10 - 15 mils (254 - 381 microns) per coat
Solids Content	By Volume 95% +/- 2%
Theoretical Coverage Rate	1524 ft ² /gal at 1.0 mils (37.4 m ² /l at 25 microns) 152 ft ² /gal at 10.0 mils (3.7 m ² /l at 250 microns) 102 ft ² /gal at 15.0 mils (2.5 m ² /l at 375 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 0.12 lbs/gal (15 g/L)
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C) Concrete: 160°F (71°C) Discoloration and loss of gloss occurs above 180°F (82°C) but does not affect performance.

SUBSTRATES & SURFACE PREPARATION

Concrete	<p>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.</p> <p>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.</p>
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PERFORMANCE DATA

Test Method	Results
Elongation ASTM D412	75%
Flexibility ASTM D1737	Passes 1/8" mandrel bend
Hardness ASTM D2240	Shore D 45
Impact Resistance	160 inch-lbs
Tabor Abrasion ASTM D4060 1 kg weight/CS17 wheel/1000 cycles	70 mg loss
Tear Strength ASTM D624	375 psi
Tensile Strength ASTM D412	2920 psi

MIXING & THINNING

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

Thinning | Thinning is normally not required.
Thinner 25, 214, or 215 may be added up to 2 oz. per gallon.

Ratio | 1:1

Working Time | 30-45 minutes 75 °F (24 °C)

APPLICATION PROCEDURES

General | Fill voids and bug holes prior to application where a self-leveling, smooth finish is desired.

Application | The mixed product should be poured out evenly over the floor and then applied to the desired thickness with a notched squeegee. Back rolling with a 3/16" (0.48 cm) shed-resistant nap roller is recommended after the squeegee application has been executed. Roller covers should be changed every 30-45 minutes in order to keep longer working time. Brush application should only be employed for cut in, small areas, touch-ups, and repairs.

Caution: This product in the liquid stage is moisture sensitive and needs to be protected from high humidity, dew and direct moisture contact until cured to a firm state. Application and/or curing in humidity above maximum or exposure to moisture from rain or dew may result in a loss of gloss, micro bubbling and/or blistering of the product.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	35°F (2°C)	35°F (2°C)	35°F (2°C)	30%
Maximum	100°F (38°C)	100°F (38°C)	100°F (38°C)	85%

Humidity levels below 30% will require longer cure times.

CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Dry Time (Light Foot Traffic)	Maximum Recoat Time	Final Cure
75°F (24°C)	2 Hours	2 Hours	24 Hours	7 Days

CLEANUP & SAFETY

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.
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PACKAGING, HANDLING & STORAGE

Packaging	2 Gallon Kit Part A - 1 gallon Part B - 1 gallon
	10 Gallon Kit Part A - 5 gallons Part B - 5 gallons
	106 Gallon Kit Part A - 53 gallons Part B - 53 gallons

Shelf Life | 24 Months in unopened container

Storage Temperature & Humidity | 60-100 °F (16-38 °C)
0-100% Relative Humidity

Storage | Store Indoors
This product is solvent based and not affected by excursions below these published storage temperatures, down to 10 °F (-12 °C), for the duration of no more than 14 days. Always inspect the product prior to use to make sure it is smooth and homogeneous when properly mixed.

Shipping Weight (Approximate) | 2 Gallon Kit - Approx. 21 lbs (9.5 kg)
10 Gallon Kit - Approx. 105 lbs (47.6 kg)
106 Gallon Kit - Approx. 1,112 lbs (504.4 kg)

Flash Point (Setaflash) | Part A: > 200 ° F (93 °C)
Part B: > 200 ° F (93 °C)

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.