

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Polyester aliphatic polyurethane
<b>Description</b>	A high performance floor finish where gloss, cleanability, and UV stability are important. Typically used in combination with other flooring systems as a durable, abrasion resistant finish with excellent resistance to marring, scuffing and many commonly used chemicals.
<b>Features</b>	<ul style="list-style-type: none"> <li>• High reflectance</li> <li>• VOC compliant</li> <li>• High gloss; minimum 90%</li> <li>• Can be applied by spray or roller</li> <li>• Excellent impact resistance</li> <li>• Quick cure to light traffic</li> </ul>
<b>Color</b>	Clear (0910)
<b>Gloss</b>	High Gloss
<b>Wet Film Thickness</b>	3-5 mils (76-127 microns)
<b>Dry Film Thickness</b>	2 - 3 mils (51 - 76 microns) per coat
<b>Solids Content</b>	By Volume 80% +/- 2%
<b>Theoretical Coverage Rate</b>	1283 ft <sup>2</sup> /gal at 1.0 mils (31.5 m <sup>2</sup> /l at 25 microns) 642 ft <sup>2</sup> /gal at 2.0 mils (15.7 m <sup>2</sup> /l at 50 microns) 428 ft <sup>2</sup> /gal at 3.0 mils (10.5 m <sup>2</sup> /l at 75 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 2.20 lb/gal (264 g/L) Thinner 25 : 13 oz/gal: 2.68 lb/gal (322 g/L)

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Apply over properly primed surfaces.
<b>Special Instruction</b>	Apply over recommended primer or coating. Check recoat window of previous coat and if re-coat window has been exceeded, prepare surface as recommended. Make certain that the substrate is clean, sound, and free of all dirt, dust, oil, grease, or foreign contaminants. Be absolutely sure surface is completely dry.

## TYPICAL CHEMICAL RESISTANCE

Exposure	Fumes	Splashes & Spills
Acids	Good	Good
Alkalies	Very Good	Very Good
Salt	Excellent	Excellent
Solvents	Excellent	Very Good
Water	Excellent	Excellent

Minimize exposure to ketone containing solvents or solutions. Cleanup any splashes or spills immediately to avoid damage to the coating.

# Carboseal<sup>®</sup> 865 Clear Gloss

## PRODUCT DATA SHEET



### MIXING & THINNING

**Mixing** | Power mix Part A & B separately, then combine and power mix. **Do not whip air into mixture. Allow 3 minutes for sweat in before applying.**  
**1 Gallon Kit**  
Carboseal 865 Clear Gloss Part A - 0.64 gal (2.4 kg)  
Carboseal 865 Urethane Converter Part B - 0.36 gal (1.4 kg)

**Thinning** | Thinning normally not required, but may be thinned up to 13 ounces per gallon with Thinner 25 for warm or hot conditions.  
Use of thinners other than those supplied or approved by Carboline may adversely affect product performance and void product warranty, whether express or implied.

**Working Time** | 2 hours at 75°F (24°C) and less at higher temperatures.

### 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 high quality 1/4" (0.64 cm) or 3/8" (0.95 cm) nap woven roller cover. Use a high quality brush for touch-up or cut-in only. Apply at the recommended application rate 500 square feet per gallon in a uniform manner. (Do not roll excessively.)

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	40°F (4°C)	40°F (4°C)	10%
Maximum	90°F (32°C)	85°F (29°C)	85°F (29°C)	75%

**Do not apply when the surface temperature is less than 5°F (3°C) above the dew point.** Avoid application when temperature exceeds 85°F and when humidity is above 75%. In many cases application will yield the best results during the early morning hours to avoid bubbles and maintain flow properties. It is important to minimize air movement during application and cure. **Do not expose to direct sunlight during cure.**

### CURING SCHEDULE

Surface Temp.	Tack Free	Light Traffic	Final Cure General
70°F (21°C)	12 Hours	24 Hours	5 Days

These times are based on a 2.5 mil (62 micron) recommended dry film thickness. High film thicknesses and cooler temperatures will lengthen cure times.

### CLEANUP & SAFETY

**Cleanup** | Use Thinner 2.

**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.

## MAINTENANCE

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<b>General</b>	Most standard floor cleaners, cleaning fluids or detergents will not damage the coating. However, we recommend testing for compatibility before using cleaners. Frequency of cleaning will not harm the surface, but do not use abrasive black floor pads, Nylogrit pads or sandpaper. If you use a floor machine, we recommend using bassine brushes, particularly if using antislip aggregate. Mechanical scrubbers will diminish the gloss but not harm the coating.
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## PACKAGING, HANDLING & STORAGE

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<b>Packaging</b>	<b>1 Gallon Kit</b> Carboseal 865 Clear Gloss Part A - 0.64 gal (2.4 kg) Carboseal 865 Urethane Converter Part B - 0.36 gal (1.4 kg)
<b>Shelf Life</b>	24 months when stored indoors at 75 °F (24 °C)
<b>Storage Temperature &amp; Humidity</b>	Temperature: 40-110 °F (4-43 °C) Humidity: 0-90%
<b>Storage</b>	Store Indoors.
<b>Shipping Weight (Approximate)</b>	Approx. 10 lbs (4.5 kg)
<b>Flash Point (Setaflash)</b>	Part A: 100°F (38°C) Part B: 91°F (32°C) Thinner 25: 87°F (30°C)

## WARRANTY

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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.