

SELECTION & SPECIFICATION DATA

Generic Type	Aliphatic polyester polyurethane
Description	A high performance chemical resistant floor finish where gloss and UV stability are important. Typically used in combination with other flooring systems as a durable, abrasion resistant topcoat with excellent resistance to marring, scuffing and many commonly used chemicals.
Features	<ul style="list-style-type: none"> • Excellent chemical resistance • Suitable for use in USDA inspected facilities • High gloss • Very good flexibility • Excellent impact resistance • Excellent abrasion resistance • Excellent color and gloss stability
Color	Light Gray (C705), Medium Gray (C703), National Blue (6164), Tile Red (0516), Cashew (9225), Black (C900), Atomic Blue (4169), Desert Tan (0217) Aden White(1898), Safety Yellow (6666), Safety Red (5555) RTS (Rapid Tint Service is available)
Gloss	High Gloss
Primer	As recommended by Carboline technical service.
Dry Film Thickness	2 - 3 mils (51 - 76 microns) per coat
Solids Content	By Volume 73% +/- 2%
Theoretical Coverage Rate	1171 ft ² /gal at 1.0 mils (28.7 m ² /l at 25 microns) 585 ft ² /gal at 2.0 mils (14.4 m ² /l at 50 microns) 390 ft ² /gal at 3.0 mils (9.6 m ² /l at 75 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 1.97 lbs./gal (236 g/l) 236 g/l Thinned (10%) when thinned with Thinner 236 E These are nominal values and may vary slightly with color.
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)

SUBSTRATES & SURFACE PREPARATION

General	Apply over primer or coating. Check recoat window of previous coat, and if recoat window has been exceeded, then abrade the surface until a dull and roughened finish is achieved which in order to create an anchor profile for maximum coating adhesion. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. For all surfaces prime with specific Carboline primer as recommended by your Carboline sales representative. Refer to the specific primer's Product Data Sheet for detailed requirements of the specified primer.
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MIXING & THINNING

Mixing	Combine Part A and Part B Urethane Converter 811 and power mix. Do not whip air into mixture. DO NOT USE PARTIAL KITS.
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MIXING & THINNING

Thinning | May add up to (10%) or 13 ounces per gallon with Thinner 236 E, Thinner 25, or Thinner 214. If excessive bubbling is observed while brushing and backrolling Thinner 215 may be added to reduce the effects.

Use of thinners other than those supplied or approved by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

Ratio | 2:1

Working Time | 2 hours at 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	50°F (10°C)	40°F (4°C)	35°F (2°C)	10%
Maximum	90°F (32°C)	85°F (29°C)	85°F (29°C)	80%

Industry standards are for substrate temperatures to be above 5°F (3°C) the dew point. Caution: This product is moisture sensitive in the liquid stage and until fully cured. Protect from high humidity, dew and moisture contact until fully cured. Application and/or curing in high humidity, or exposure to moisture from rain or dew may result in microfoaming, microbubbling, and/or loss of sheen.

CURING SCHEDULE

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

If re-coat window is exceeded coating should be sanded to a dull finish prior to reapplication.

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.

CLEANUP & SAFETY

Ventilation	When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. User should test and monitor exposure levels to insure all personnel are below guidelines.
Caution	This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use nonferrous tools and wear conductive and non-sparking shoes.

PACKAGING, HANDLING & STORAGE

Packaging	<p>3 Quart Kit Part A - 0.5 Gallons Part B Urethane Converter 811 - 1 Quart</p> <p>3 Gallon Kit Part A - 2 Gallons Part B Urethane Converter 811 - 1 Gallon</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><u>3 Quart Kit</u> - 9.1 lbs (4.1 kg) <u>3 Gallon Kit</u> - 37 lbs (17 kg)</p>
Flash Point (Setaflash)	<p>Carboseal 835 Part A: 80°F (27°C) Urethane Converter 811 Part B: 127°F (53°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.