

SELECTION & SPECIFICATION DATA

Generic Type	High-Solids UV Stable Low-Sheen Polyurethane
Description	A high-performance flooring topcoat that provides exceptional wear resistance, cleanability, and UV stability in an attractive low-sheen finish. Typically used in combination with other floor coatings to increase the durability of the resinous flooring system. It provides excellent resistance to marring, scuffing, and many commonly used chemicals.
Features	<ul style="list-style-type: none"> • Exceptional abrasion resistance • Protects against a wide range of chemicals • Very good flexibility • Excellent impact resistance • Excellent color and gloss stability • Suitable for use in USDA inspected facilities
Color	<p>This product can be tinted with Universal Color Packs. Stocked Colors: Light Gray (Q700)*, Medium Gray (Q701) Made to Order Colors: Blue (Q100), Khaki (Q200), Beige (201), Green (Q300), Brick Red (Q500), Traffic Red (Q502), Traffic Yellow (Q602), Dark Gray (Q702), Charcoal (Q707), White (Q800)*, Black (Q900) *White (0800) and Light Gray (Q700) both require two color packs per kit</p>
Gloss	Semi-Gloss
Primer	Carboseal 720, Carboseal 705, Carboguard 1340 WB, or used as a topcoat over other Carboseal and Carbocrete systems.
Dry Film Thickness	3 - 5 mils (76 - 127 microns) per coat
Solids Content	By Volume 95% +/- 2%
Theoretical Coverage Rate	<p>1524 ft²/gal at 1.0 mils (37.4 m²/l at 25 microns) 508 ft²/gal at 3.0 mils (12.5 m²/l at 75 microns) 305 ft²/gal at 5.0 mils (7.5 m²/l at 125 microns) Allow for loss in mixing and application.</p>
VOC Values	As Supplied : 0.926 lbs./gal (111 g/l)

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 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	If required, add the Universal Color Pack(s) to Carboseal 816 HAR Part B and mix thoroughly until color is consistent. Add Carboseal 816 HAR Part A to Carboseal 816 HAR Part B. Mix at slow speed for 2 minutes taking care not to entrain air. Then incorporate high-wear filler and mix for a further 2 minutes.
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MIXING & THINNING

Pot Life	30 mins at 75°F (24°C) and less at higher temperatures. Pot life ends when coating becomes too viscous to use. High humidity can significantly shorten working time.
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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.
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APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	40°F (4°C)	40°F (4°C)	30%
Maximum	80°F (27°C)	80°F (27°C)	85°F (29°C)	80%

CURING SCHEDULE

Surface Temp.	Dry to Receive Light Traffic	Dry to Recoat	Maximum Recoat Time	Final Cure Time	Tack Free
70°F (21°C)	8 Hours	6 Hours	12 Hours	7 Days	6 Hours

The above is based on recommended thicknesses, and 50% humidity. If re-coat window is exceeded coating should be sanded to a dull finish prior to reapplication. Good ventilation and correct humidity are required to achieve the above drying times. Do not cover or wash for 48 hours.

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.
Ventilation	When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA / NIOSH approved respirator.
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 non-ferrous tools and wear conductive and non-sparking shoes.

PACKAGING, HANDLING & STORAGE

Packaging	<p>2.75 Gallon Kit: Carboseal 816 HAR Part A: .5 gallons Carboseal 816 HAR Part B: 2 gallons High Wear Filler: .25 gallon (8 lbs) A Universal Color Pack can be used if desired.</p>
Shelf Life	<p>Carboseal 816 HAR Part A - 6 months Carboseal 816 HAR Part B - 6 months High Wear Additive - 60 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>2.75 Gallon Kit - Approx. 31.04 (14.07 kg)</p>
Flash Point (Setaflash)	<p>Part A: 80°F (27°C) 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.