

Selection & Specification Data

Generic Type	Modified Alkyd
Description	Carbocoat 140 is a high quality, quick drying, modified alkyd industrial maintenance coating specially formulated to provide a durable and exceptionally tough, VOC compliant finish. It is perfect for topcoating machinery and metal parts, structural steel and tanks in non-corrosive environments. OEM finishing operations and trim, stairwells and handrails where a wide range of colors and fast dry is necessary. Carbocoat 140 can be applied with conventional air or airless spray systems.
Features	<ul style="list-style-type: none"> ▪ Excellent high gloss appearance ▪ Application-friendly ▪ Fast Dry Properties
Color	Refer to Carboline color chart
Finish	High Gloss
Primers	Prime with suitable alkyd primer.
Dry Film Thickness	1.5-1.8 mils
Solids Content	By Volume: 52.0 ± 2%
Theoretical Coverage Rate	835 ft ² /gal@ 1 dry mil
VOC Values	Max 3.5 lbs/gal (420 g/l)
Dry Temp. Resistance	180°F - 200°F

Substrates & Surface Preparation

Ferrous Metal	The surface should be thoroughly cleaned to remove dirt, grease, chalk and air pollution deposits, ideally by power washing. For aggressive environments, in order to obtain adhesion, a Commercial Blast (SSPC-SP6), or White Metal Blast (SSPC-SP7) is recommended. For non-corrosive environments, depending on the condition of the steel, the surface preparation shall be either SSPC-SP2 Hand Tool Cleaning, SSPC-SP3 Power Tool Cleaning, or SSPC-SP6 Commercial Blast Cleaning. Follow the SSPC guidelines for removing mill scale, rust, loose paint, and other detrimental foreign matter.
Galvanized Metal	This product is NOT RECOMMENDED for galvanized steel.

Application Equipment

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.

Conventional Spray Binks Model 62 Spray gun or equal.

Airless Spray Apply using 30:1 pump able to deliver a minimum of 3000 psi.

Material Hose: 3/8" x 150' max

Tip Size: .011-.015"

High Pressure Filter: 60 Mesh

Brush For touch-up only

Roller Not recommended

Mixing & Thinning

Mixing Power mix to uniform consistency.

Thinning Not normally needed.

Cleanup & Safety

Cleanup Clean up all tools and equipment promptly with Thinner 10 or acetone. Flush out all spray tips, fluid lines and pressure pots immediately after use.

Safety Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use.

Curing Schedule

Surface Temp. & 50% RH	Set to Touch	Dry to Handle	Dry to Recoat	Dry Hard
77°F (25°C)	15 min	1 hours	8 hours	4 hours

Dry times are calculated with a 1.5 mil wet film @ 50% relative humidity. Expect longer dry times in periods of higher humidity or lower temperatures or when applying thicker films.

Packaging, Handling & Storage

Shipping Weight (Approximate) 1's 5's 55's
10 lbs 50 lbs 580 lbs

Flash Point (Setaflash) Mixed 51°F

Storage (General) Store indoors.

Storage Temperature & Humidity 35° - 110°F (2°-43°C)
0-100% Humidity.

Shelf Life 24 months when stored at 75°F



350 Hanley Industrial Court, St. Louis, MO 63144-1599
314/644-1000 314/644-4617 (fax) www.carboline.com

An **RPM** Company

July 2007 N

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 or injuries resulting from use. Liability, if any, is limited to replacement of products. 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. Carboline[®] and Carboguard[®] are registered trademarks of Carboline Company.