

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 • Can be applied down to 35 F (2 C)
Color	Refer to Carboline color chart
Finish	High Gloss
Primer	Prime with suitable alkyd primer.
Dry Film Thickness	1.5 - 1.8 mils (38 - 46 microns) per coat
Solids Content	By Volume 52% +/- 2%
Theoretical Coverage Rate	834 ft ² /gal at 1.0 mils (20.5 m ² /l at 25 microns) 556 ft ² /gal at 1.5 mils (13.6 m ² /l at 38 microns) 463 ft ² /gal at 1.8 mils (11.4 m ² /l at 45 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : Max 3.5 lbs/gal 420 g/l These are nominal values and may vary slightly with color.
Dry Temp. Resistance	Continuous: 180°F (82°C) Non-Continuous: 200°F (93°C)

SUBSTRATES & SURFACE PREPARATION

General	Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
Galvanized Steel	This product is NOT RECOMMENDED for galvanized steel.
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 noncorrosive 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.

MIXING & THINNING

Mixing	Power mix to uniform consistency.
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Carbocoat[®] 140

PRODUCT DATA SHEET



MIXING & THINNING

Thinning | Not normally needed.

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.

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

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	35°F (2°C)	35°F (2°C)	35°F (2°C)	0%
Maximum	120°F (49°C)	120°F (49°C)	120°F (49°C)	95%

This product simply requires the substrate temperature to be above the dew point. Special application techniques may be required above or below normal application conditions. Sufficient airflow is critical to ensure proper cure of the coating.

CURING SCHEDULE

Surface Temp.	Dry Hard	Dry to Handle	Dry to Recoat	Dry to Touch
77°F (25°C)	4 Hours	1 Hour	8 Hours	15 Minutes

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

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 SDS 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.

PACKAGING, HANDLING & STORAGE

Shelf Life | 24 months when stored at 75°F

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

Storage | Store Indoors.

PACKAGING, HANDLING & STORAGE

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

Flash Point (Setaflash) | Mixed 51°F

WARRANTY

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