

SELECTION & SPECIFICATION DATA

Generic Type	Water reducible alkyd
Description	This fast dry water reducible alkyd finish is designed for spray, brush or roller application to metallic surfaces. It offers ease of application, excellent gloss retention, and corrosion resistance. It is intended for industrial use on bare metal or primed surfaces where mild corrosion resistance is needed.
Features	<ul style="list-style-type: none"> • Fast-dry • Corrosion resistant • Low VOC • Reduce and clean up with water • Direct to metal capability • Flash rust resistant • Surface tolerant
Color	Wide range of colors available. Consult Carboline Color Chart.
Gloss	85+
Primer	Self priming and compatible with Carbocoat Series alkyd primers.
Dry Film Thickness	1.5 - 2 mils (38 - 51 microns) per coat
Solids Content	By Volume 32% +/- 2%
Theoretical Coverage Rate	513 ft ² /gal at 1.0 mils (12.6 m ² /l at 25 microns) 342 ft ² /gal at 1.5 mils (8.4 m ² /l at 38 microns) 257 ft ² /gal at 2.0 mils (6.3 m ² /l at 50 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 1.10 lbs./gal (132 g/l) As Supplied : 2.73 lb./gal (327 g/l) EPA Method 24
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C)
Limitations	<ul style="list-style-type: none"> • Excess film thickness and high humidity will retard dry times. • Film color may yellow or darken at elevated temperatures , however, film integrity will be maintained. • Not recommended for use on galvanized metal, galvaneal or zinc rich surfaces. • Protect from freezing.
Application	Metal fabrication, utility trailers. structural steel supports and beams, industrial machinery, racking, and shelving.

SUBSTRATES & SURFACE PREPARATION

General	Clean to remove all contaminants in accordance with SSPC-SP 1.
Steel	Minimum Hand Tool Clean or Power Tool Clean in accordance with SSPC-SP 2 or SSPC-SP 3. For optimum performance abrasive blast clean to a minimum of Commercial Blast Clean in accordance with NACE No. 3/SSPC-SP 6 with 1.0 to 1.5 mils (25 to 38 microns) anchor profile. Two coats of finish or one coat of primer and one coat of finish are recommended.

Carbocoat[®] 8259 WR

PRODUCT DATA SHEET



SUBSTRATES & SURFACE PREPARATION

Phosphatized Steel | Surface must be clean and dry. Clean to remove all contaminants in accordance with SSPC-SP 1.

MIXING & THINNING

Mixing | Power mix until uniform in consistency.

Thinning | Normally not required but may be thinned up to (5%) with potable water.

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.

Spray Application (General) | The following spray equipment has been found suitable and is available from manufacturers such as WIWA or equivalent. (Airless spray is recommended for best results)

Conventional Spray | Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.052" fluid tip and appropriate air cap.

Airless Spray | Pump Ratio: 30:1 (minimum) GPM Output: 3.0 (minimum) Material Hose: 3/8" I.D. (minimum) Tip Size: 0.013" - 0.017" Output PSI: 2000-2300 Filter Size: 60 mesh *PTFE packings are recommended and available from the pump manufacturer.

HVLP | Spray equipment: HVLP Fluid pressure: 40 – 50 Atomizing Pressure: 10 - 20 (psi) Fluid Nozzle: FF Air Nozzle: #33 or #46 MP

Brush & Roller (General) | Multiple coats may be required to achieve desired appearance, hiding and recommended dry film thickness. Avoid excessive re-brushing or re-rolling.

Brush | High quality synthetic bristle brush

Roller | 3/8" nap, solvent resistant core

CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Topcoat	Dry to Touch
70°F (21°C)	30 Minutes	30 Minutes	15 Minutes

*Slower cure times may be due to higher than recommended film build or lack of air movement. *Dry times can be accelerated with air movement.

CLEANUP & SAFETY

Cleanup | Clean up with potable water

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 insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.

PACKAGING, HANDLING & STORAGE

Packaging | 1 gal, 5 gal, or 55 gal containers available

Shelf Life | 24 months

Storage Temperature & Humidity | 50°-110°F (10°- 43°C) 0-99% Relative Humidity
DO NOT FREEZE

Shipping Weight (Approximate) | 5 Gallon - 66 lbs. (30 kg) 55 Gallon - 730 lbs. (331 kg)

Flash Point (Setaflash) | 212°F (100°C)

WARRANTY

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