

Selection & Specification Data

Generic Type	Modified Linseed Oil
Description	Single-coat primer/finish with unique ion-exchange corrosion inhibitors frequently used as a metallic - finish maintenance coating for aged galvanized and rusty steel. Slow drying characteristics allow for excellent wetting and penetration to SSPC-SP2 and SP3-cleaned surfaces. Frequently used in the Power, Transmission/Distribution and Bridge markets.
Features	<ul style="list-style-type: none"> ▪ Excellent weathering characteristics ▪ Calcium sulfonate and other unique rust-inhibitive pigments ▪ High solids allows for single coat applications ▪ Single component ▪ Pre-thinned; ready-to-apply ▪ VOC-compliant for most areas
Colors *	Refer to Carboline Color Guide
Finish	Flat Metallic
Primers	Self-priming. Can be applied over most alkyds, acrylics and epoxies. A test patch is recommended over existing coatings.
Topcoats	Usually not topcoated, however, may be topcoated with Drying Oils and Alkyds.
Dry Film Thickness	2.0-4.0 mils (50-100 microns) for most applications. 5.0-7.0 mils (125-175 microns) for severely rusted areas. As an option, a spot prime coat at 2.0-4.0 mils (50-100 microns) followed by a second full coat at 2.0-4.0 mils (50-100 microns) may be used.
Solids Content	By Volume: 69% ± 4%
Theoretical Coverage Rate	1107 mil ft ² (27.6 m ² /l at 25 microns) Allow for loss in mixing and application.
VOC Values	As supplied: 2.0 lbs/gal (240 g/l) Thinned: 6 oz. w/#45: 2.2 lbs/gal (264 g/l) 13 oz. w/#45: 2.4 lbs/gal (288 g/l) These are nominal values and may vary slightly with color.
Dry Temp. Resistance	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C) Discoloration and loss of gloss is observed above 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.
Steel	SSPC-SP2 or SP3 normally acceptable. SSPC-SP6 or SP7 for steel with extensive deterioration.
Rusted Steel	SSPC-SP2 or SP3
Aged Galvanized Steel	SSPC-SP1. Minimal surface preparation required. Areas of heavy pitting should be wire brushed and spot primed with Carbocoat [®] 2900.
Previously Painted Surfaces	Lightly sand or abrade to roughen and degloss the surface. Existing paint must attain a minimum 3B rating in accordance with ASTM D3359 "X-Scribe" adhesion test.

Performance Data

Test Method	System	Results	Report #
ASTM B117 Salt Fog	Blasted Steel 1 ct. primer 1 ct. 2600	No blistering, undercutting, After 2000 hours of exposure	08962

Test reports and additional data available upon written request.

* The alignment of aluminum flakes in aluminum-filled finishes is very dependent on application conditions and techniques. Care must be taken to keep conditions as constant as possible to reduce variations in final appearance. It is also advisable to work from a single batch of material since variations can occur from batch to batch. For more information consult Carboline Technical Service Department.

Carbocoat® 2600

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.

General Guidelines:

Spray Application (General) The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

Conventional Spray Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, .070" I.D. fluid tip and appropriate air cap.

Airless Spray Pump Ratio: 30:1 (min.)*
GPM Output: 3.0 (min.)
Material Hose: 3/8" I.D. (min.)
Tip Size: .015"-.019"
Output PSI: 1800-2000
Filter Size: 60 mesh
*Teflon packings are recommended and available from the pump manufacturer.

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. This application may result in a streaky appearance due to orientation of the aluminum pigment. For the best aesthetic appearance, spray application is required.

Brush Use a synthetic bristle brush.

Roller Use a short-nap synthetic roller cover with phenolic core.

Mixing & Thinning

Mixing Power mix until uniform in consistency.

Thinning Spray: Up to 6 oz/gal (5%) w/#45
Airless: Up to 13 oz/gal (10%) w/#45
Brush: Normally not required
Roller: Up to 6 oz/gal (5%) w/#45
Use of thinners other than those supplied by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

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 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.

Caution This product contains flammable solvents. Keep away from sparks and open flames. In confined areas, workmen must wear appropriate respirator protection. 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.

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Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	50°-90°F (10°-32°C)	55°-95°F (13°-35°C)	55°-100°F (13°-38°C)	30-90%
Minimum	35°F (2°C)	35°F (2°C)	35°F (2°C)	0%
Maximum	120°F (49°C)	165°F (74°C)	120°F (49°C)	95%

This product simply requires the substrate temperature to be above the dew point. Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Touch (Skin over)	Dry to Handle	Dry to Recoat	Dry to Topcoat w/ Alkyds
75°F (24°C) 2.0-4.0 mil coating	18 Hours	4 Weeks	24 Hours	7 Days
75°F (24°C) 5.0-7.0 mil coating	24 Hours	8 Weeks	72 Hours	14 Days

These times are based on the dry film thickness shown. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times and could result in solvent entrapment or premature failure. Dry to Touch refers to the time required to skin over. Dry to Handle refers to the time at which the coating will resist mechanical damage as would be anticipated in a typical shop application.

Packaging, Handling & Storage

Shipping Weight (Approximate) 1 Gallon
12 lbs (5 kg) 5 Gallons
59 lbs (27 kg)

Flash Point (Setaflash) 105°F (41°C)

Storage (General) Store Indoors.

Storage Temperature & Humidity 40° - 110°F (4°-43°C)
0-90% Relative Humidity

Shelf Life 24 months at 75°F (24°C)

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**



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