

Selection & Specification Data

Generic Type Multi corrosion inhibitor pigmented, modified

alkyd primer

An economical primer for protection of steel Description

surface. Applied by conventional spray or brush at a thickness of 1~1.5 mils (38µm). Fast drying with good wetting propeties. Good resistance to atmospheric weathering. Most alkyd topcoats

can be applied over Starox 2101 (P).

Recommended

As a primer coat on steel structures, water tank uses exteriors, petroleum tank exteriors, crew boat

exteriors and interiors, barge exteriors and interior void space, machinery, equipment, pipe exteriors, pipe racks, and other ferrous surfaces

not exposed to severe chemical attack.

Not for immersion applications or splash and Limitations

spillage of acids, alkalies or solvents.

Red (0500), Gray(0700) Color

Finish Flat

Dry Film **Thickness** 1.5 mils (38 microns) per coat

Solids Content By Volume: 45% ± 2%

Theoretical **Coverage Rate** 722 ft²/gal at 1 mils (18 m²/l at 25 microns) 361 ft²/gal at 2 mils (9.0 m²/l at 50 microns)

Allow for loss in mixing and application.

Dry Temp. Resistance

Continuous: 200 °F (93 °C) Non-Continuous: 250 °F (121 °C)

Topcoat Required May be topcoated with Carboline alkyds, silicone-alkyds or others as recommended. Do not topcoat with coatings containing strong

solvents, such as epoxies or vinyls.

Compatibility with other Coatings

Apply directly to substrate.

Substrates & Surface Preparation

Generic 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.

Minimum SSPC-SP3. If abrasive blasted, profile Steel

should not exceed 1.5 mils (38 microns). 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.

Mixing & Thinning

Power mix until uniform in consistency Mixing

Up to 10% with Thinner #45. **Thinning**

> Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

Application Equipment

Listed below are general equipment guidelines for the application of this product.

Job site conditions may require modification to these guidelines to achieve the desired results.

Spray **Application** (General)

The following spray equipment has been found suitable and is available from equipment

manufacturers.

Conventional Spray

Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, .052" I.D. fluid

tip and appropriate air cap.

Pump Ratio: 30:1 (min.)* **Airless Spray**

GPM Output: 3.0 (min.) Material Hose: 3/8" I.D. (min.)

Tip Size: .015-.019" Output PSI: 1800-2700 Filter Size: 60 mesh

*Teflon packings are recommended and available from the pump manufacturer.

Brush & Roller Spray application is recommended. However,

> application by brush or roller is acceptable. Caution should be taken to apply a uniform coat. Avoid excessive re-brushing or re-rolling.

Starox[®] 2101 (P)

Application Conditions

Condition	Material	Surfaces	Ambient	Humidity
Normal	50-90°F (10-32℃)	50-90°F (10-32℃)	50-100°F (10-38℃)	30~80%
Minimum	35°F (2℃)	35°F (2℃)	35°F (2℃)	0%
Maximum	120°F (49℃)	120°F (49℃)	120°F (49℃)	90%

Do not apply when the substrate temperature is less than $5^{\circ}F$ (3°C) 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 Recoat or Dry to Handle	
50°F (10℃)	8 Hours	
60°F (16℃)	6 Hours	
75°F (24℃)	3.5 Hours	
90°F (32℃)	3 Hours	

These times are based on a 1.5 mil (38 micron) dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times and could result in solvent entrapment or premature failure.

Cleanup & Safety

Cleanup Use Thinner #45 or #2. 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.

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.

Caution This product contains flammable solvents. Keep

away from sparks and open flames. In confined areas workers must wear fresh airline respirators. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

Packaging, Handling & Storage

Shelf Life Min. 12 months at 75°F (24°C)

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

 Shipping Weight
 1 Gallon - 13 lbs. (5.9 kg)

 (Approximate)
 5 Gallons - 62 lbs. (28.1 kg)

 Storage
 35 -110°F (2-43°C)

 Temperature
 0-100% Relative Humidity

& Humidity

Flash Point : 77°F (25°C)

(Pensky-Martens Closed Cup)

Storage Store indoors.

