

SELECTION & SPECIFICATION DATA

Generic Type	A single package high solids alkyd primer
Description	A single package high solids alkyd primer designed to provide very good corrosion resistance and dry speed for rail car exterior. Wide flexibility to various top coats.
Features	<ul style="list-style-type: none"> • Single coat direct to metal high solids • Very Low HAPS & VOC • Easy one coat high build coverage • Excellent adhesion • Very good resistance to corrosion • Ready to use viscosity
Color	Black (C900), Grey (1754)
Gloss	5-15° (ASTM D523 @ 60° angle)
Dry Film Thickness	2 - 4 mils (51 - 102 microns) per coat
Solids Content	By Volume 54% +/- 3%
Theoretical Coverage Rate	866 ft ² /gal at 1.0 mils (21.3 m ² /l at 25 microns) 433 ft ² /gal at 2.0 mils (10.6 m ² /l at 50 microns) 217 ft ² /gal at 4.0 mils (5.3 m ² /l at 100 microns) Allow for loss in mixing and application.
VOC Value(s)	Per EPA Method 24: 2 lbs / gal (240 g/l) This product contains US EPA VOC-exempt solvent(s).

SUBSTRATES & SURFACE PREPARATION

Steel	Severe service applications – blasted to SSPC-SP-10 to a 1.5-2.5 mil angular profile Lesser service applications – blasted to SSPC-SP-6 Surface to be free of all looser rust, dirt, grease and other contaminants
Aluminum	Remove all surface contaminants and treat with Strathmore's Wash Primer or equivalent.

PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	Results
Adhesion (ASTM D3359)	5B
Conical Mandrel (ASTM D522)	Passes 1/8"
Hardness (ASTM D3363)	2B
Impact Resistance (ASTM D2794)	Up to 40 lbs.in (Direct) and 40 lbs.in (Rev)

QUV Resistance (ASTM G154): 200 hrs- QUV UVA-340 Bulb

Corrosion Resistance (ASTM B117): 500 hrs at 2-3 mils DFT

Railplex[®] 2.0 Alkyd Primer

PRODUCT DATA SHEET



MIXING & THINNING

Mixing | Agitate thoroughly

Thinning | Not Recommended, consult Carboline for recommendations.

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.

Airless Spray	45:1 Airless spray equipment Tip Size: 0.015 to 0.019 Pump Pressure: 2500-3500 psi (17-24 MPa)
	To minimize or eliminate thinner use in-line heated equipment with insulated hoses to reach application viscosity. Do not exceed 165°F (74°C).

APPLICATION PROCEDURES

General | Designed to be applied direct to metal in a single or two coat application.

APPLICATION CONDITIONS

Condition

Must be a minimum of 5°F (3°C) above the dew point during the surface preparation and coating application.

CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry to Handle	Minimum Recoat Time	Dry Hard	Maximum Recoat Time
72°F (22°C)	20 Minutes	90 Minutes	2 Hours	24 Hours	7 Days

Force Cure | If car is force dried, 1 hr minimum air dry @ 75°F (23°C) before oven. Then force dry @ 145°F (60°C) for 1 hour, adjusting for ambient maximum conditions.

CLEANUP & SAFETY

Cleanup | MEK may be used for clean up. Batch mixed material will set up in the lines and equipment if left overnight. With plural component equipment, be sure to flush from the mixing head through the delivery hose and guns.

Safety | Handle with care. Before and during use, observe all safety labels on packaging and paint containers and follow all caution statements on this product data sheet. Consult the Safety Data Sheet (SDS) for this product and follow all local or national safety regulations. 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 ensure 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 gallon can
	4 gallons in a 5 gallon pail
	54 gallons in a 55 gallon drum
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.
Storage Temperature & Humidity	Do not store at temperatures above 100°F (38°C).
Storage	Containers must be closed tightly. Do not store outside. Rotate stock.

WARRANTY

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