

SELECTION & SPECIFICATION DATA

Generic Type	A two component, high solids, flake glass modified epoxy
Description	A two component, high solids, flake glass modified epoxy formulated for use as an intermediate coat between Stratholiner 7100 and 7200, or as a topcoat over Stratholiner 7100. Typical use will be a tank car lining system for acetic and hydrochloric acids as well as dry bulk hopper cars with residual process acids.
Features	<ul style="list-style-type: none"> • Excellent resistance to acetic and hydrochloric acids • High solids • Very low water vapor transmission rate
Color	Grey or as per customer requirements
Dry Film Thickness	<p>10 - 12 mils (254 - 305 microns) as intermediate coat</p> <p>15 - 38 mils (381 - 965 microns) as a topcoat</p> <p>19 - 28 mils (483 - 711 microns) on the bottom two-thirds of the car</p> <p>26 - 38 mils (660 - 965 microns) on the top one-third of the car</p>
Typical Uses	Typical use will be a tank car lining system for acetic and hydrochloric acids as well as dry bulk hopper cars with residual process acids.
Solids Content	By Volume 67% +/- 2%
Theoretical Coverage Rate	<p>1075 ft²/gal at 1.0 mils (26.4 m²/l at 25 microns)</p> <p>107 ft²/gal at 10.0 mils (2.6 m²/l at 250 microns)</p> <p>28 ft²/gal at 38.0 mils (0.7 m²/l at 950 microns)</p> <p>Allow for loss in mixing and application.</p>
VOC Values	<p>As Supplied : Per EPA Method: 2.29 lbs/gal (275 g/l)</p> <p>Thinner 10 : 2.50 lbs/gl (300 g/l) max</p> <p>Per mixed gallon. These are nominal values and may vary slightly with color.</p>
Dry Temp. Resistance	Continuous: 225°F (107°C)

SUBSTRATES & SURFACE PREPARATION

Steel	Blasted and Primed with Stratholiner 7100
Aluminum	Remove all surface contaminants and treat with Strathmore's Wash Primer or equivalent. Primed with Stratholiner 7100.

PERFORMANCE DATA

Test Method	Results
Abrasion Resistance (ASTM D4060)	CS17 wheel, 1kg load, 1000 cycles; 50 mg loss
Adhesion (ASTM D4541)	1800 psi
Salt Spray (ASTM B117)	2000+ hours
Thermal Shock Resistance	10 cycles water 33°F to 200°F (0°C to 93°C)

Chemical Resistance: Process acids in plastic pellets and granules.

Stratholiner 7150

PRODUCT DATA SHEET



MIXING & THINNING

Thinning | 0-5% by volume maximum, consult Carboline for recommendations

Ratio | 1:1 Part A to Part B, by volume

Pot Life | 4 hours @ 77°F (25°C)

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.

**Plural Component
Airless Spray** | Tip Size: 0.019 to 0.025" (0.48-0.64 mm)
Pump Pressure: 2800 psi (19.3 MPa) minimum
Heated plural component equipment. Do not exceed 120°F (48.8°C)

Application Rates | Designed to be applied in one coat as an intermediate coat, 1 or 2 coats as a topcoat.

APPLICATION CONDITIONS

Condition	Surface
Minimum	60°F (16°C)

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

CURING SCHEDULE

Surface Temp.	Set Time	Tack Free	Dry Hard
77°F (25°C)	2 Hours	8 Hours	48 Hours

In Service Times: After force cure of 150°F (66°C) for 6 hours, or two weeks air dry @ 77°F (25°C)

Force Cure | After coating application, allow to air dry with circulated 90 to 100°F (32-38°C) heat for 12 hours minimum. Perform electrical holiday test for discontinuities. All tests and touch-ups must be made before a force cure. The ramp-up rate for the force cure shall be a rise of 30°F metal temperatures every 30 minutes. The soak temperature shall be 200°F (93°C) metal temperature for 2 hours or 150°F (66°C) metal temperature for 6 hours.

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.

CLEANUP & SAFETY

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.
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PACKAGING, HANDLING & STORAGE

Packaging	5 Gallon Pails or 55 Gallon Drums
Shelf Life	One year from date of manufacturing when kept at recommended storage conditions at 70°F (21°C) and in original unopened containers. Do not use material beyond shelf life.
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.
Flash Point (Setaflash)	Part A: 125°F (52°C) Part B: 72°F (22°C)

WARRANTY

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