

SELECTION & SPECIFICATION DATA

Generic Type	A two component, high solids, modified epoxy formulated for use as a primer
Description	This is a Carboline Specialty Product A two component, high solids, modified epoxy formulated for use as a primer in conjunction with Stratholiner 7150 and 7200, to form a protective lining system with excellent resistance to acetic and hydrochloric acids. 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. Minimum order quantities and special pricing will apply in North America. Contact your Carboline Sales Representative for more details.
Features	<ul style="list-style-type: none"> • Excellent resistance to acetic and hydrochloric acids • High solids • Very low water vapor transmission rate
Color	Red Brown or per customer requirements
Dry Film Thickness	4 - 6 mils (102 - 152 microns) single coat
Solids Content	By Volume 57% +/- 2%
Theoretical Coverage Rate	914 ft ² /gal at 1.0 mils (22.4 m ² /l at 25 microns) 229 ft ² /gal at 4.0 mils (5.6 m ² /l at 100 microns) 152 ft ² /gal at 6.0 mils (3.7 m ² /l at 150 microns) Allow for loss in mixing and application.
VOC Values	Thinner 10 : 3.23 lbs/gal (387 g/l) max As Supplied : Per EPA Method 24: 3.03 lbs/gal (363 g/l) These are nominal values and may vary slightly with color.
Dry Temp. Resistance	Continuous: 225°F (107°C)

SUBSTRATES & SURFACE PREPARATION

Steel	Blast to NACE #2 / SSPC 10, Near White Metal and a profile of 2.5 – 3.0 mils (64 – 76 µm). Surface to be free of all loose rust, dirt, grease and other contaminants.
Aluminum	Remove all surface contaminants and treat with Strathmore's Wash Primer or equivalent

Stratholiner[®] 7100

PRODUCT DATA SHEET



PERFORMANCE DATA

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

Test Method	System	Results
Abrasion Resistance (ASTM D4060)	Stratholiner 7100 / Stratholiner 7150; Stratholiner 7100 / Stratholiner 7200	CS17 wheel, 1kg load, 1000 cycles; 50 mg loss
Adhesion (ASTM D4541)	Stratholiner 7100 / Stratholiner 7150; Stratholiner 7100 / Stratholiner 7200	1800 psi
Hardness (ASTM D3363)	Stratholiner 7100 / Stratholiner 7150; Stratholiner 7100 / Stratholiner 7200	4H
Salt Spray (ASTM B117)	Stratholiner 7100 / Stratholiner 7150; Stratholiner 7100 / Stratholiner 7200	2000+ hours
Thermal Shock Resistance	Stratholiner 7100 / Stratholiner 7150; Stratholiner 7100 / Stratholiner 7200	10 cycles water 33°F to 200°F (0°C to 93°C)

Chemical Resistance: Process acids in plastic pellets and granules

MIXING & THINNING

Mixing | For hand mixing of touch up or repair kits, if necessary.
Agitate thoroughly each component before combining.
Agitate thoroughly again after combining.

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)
Caution: Pot Life is significantly reduced with heat.

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 | 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 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	12 Hours

In Service Times: After force cure of 150°F (66°C) for 6 hours.

Force Cure | After coating application, mandatory 2-hour ambient air flash time, then overnight cure of forced air at 90-100°F (32-38°C) heat for 12 hours minimum.

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

Shelf Life | Generally, 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: 71°F (21.7°C)
Part B: 72°F (22°C)

WARRANTY

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