Stratholiner® 7150

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	A two component, high solids, flake glass modified epoxy
Description	Formulated for use as a topcoat over Stratholiner 7100 or an intermediate coat between Stratholine 7100 & 7200. These systems produce a high chemical resistant protective lining with excellent resistance to acetic and hydrochloric acids. Used for dry bulk service in hopper cars carrying EVA, PTA, Adipic acid and other commodities, which may contain residual process acids.
Features	• Excellent resistance to acetic and hydrochloric acids • High solids • Very low water vapor transmission rate
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.
Color	Grey (0700), White (0800), Red (U51P)
Finish	High Gloss
Dry Film Thickness	10 - 12 mils (254 - 305 microns) as intermediate coat* 15 - 38 mils (381 - 965 microns) as a topcoat **NOTE:** See detailed application instructions on the application guide for further guidance.
Solids Content	By Volume 73%
Theoretical Coverage Rate	1171 ft²/gal at 1.0 mils (28.7 m²/l at 25 microns) 117 ft²/gal at 10.0 mils (2.9 m²/l at 250 microns) 31 ft²/gal at 38.0 mils (0.8 m²/l at 950 microns) Allow for loss in mixing and application.
VOC Values	**As Supplied** : 2.0 lbs/gal (282 g/l) Per mixed gallon. These are nominal values and may vary slightly with color.
Thinner & Cleaner	S71-0109

SUBSTRATES & SURFACE PREPARATION

General	Free of dust, dirt, oils, moisture and other contaminates.

MIXING & THINNING

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.

Airless Spray	45:1 ration pump Tip Size: 0.019 to 0.025" (0.48-0.64 mm) Pump Pressure: 2800 psi (19.3 MPa) minimum An artist brush can be used for touchup.
Plural Component	See application instructions

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	70°F (21°C)	60°F (16°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	90°F (32°C)	90°F (32°C)	90%

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.	Dry to Recoat	Set to Touch	Tack Free	Dry Hard
77°F (25°C)	18 Hours	2 Hours	6 Hours	12 Hours

Note: Conditions such as moisture content and temperature of the product LOAD along with conditions of the hopper car such as venting or non-venting can affect the suitability of the system. When such conditions are encountered consult with your Carboline representative.

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 150°F (66°C) metal temperature for 6 hours. **Air Dry Schedule:** Circulate warm air @ 90 to 100°F (32-38°C) for 12 hours minimum. Perform electrical holiday test for discontinuities. All tests and touch-ups must be made before a force cure.

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	1 year Do not use material beyond shelf life.
Storage	Containers must be closed tightly. Do not store outside. Rotate stock.
Flash Point (Setaflash)	60°F (16°C)

WARRANTY

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