# Stratholiner® 7150

PRODUCT DATA SHEET

## SELECTION & SPECIFICATION DATA

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| **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<br>• High solids<br>• Very low water vapor transmission rate |
| **Color** | Grey |
| **Finish** | High Gloss |
| **Dry Film Thickness** | 10 - 12 mils (254 - 305 microns) as intermediate coat*<br>15 - 38 mils (381 - 965 microns) as a topcoat<br><br>**NOTE:** See detailed application instructions on separate sheet before application. |
| **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 73%<br><br>mixed |
| **Theoretical Coverage Rate** | 1171 ft²/gal at 1.0 mils (28.7 m²/l at 25 microns)<br>117 ft²/gal at 10.0 mils (2.9 m²/l at 250 microns)<br>31 ft²/gal at 38.0 mils (0.8 m²/l at 950 microns)<br>Allow for loss in mixing and application. |
| **VOC Values** | **As Supplied** : 2.0 lbs/gal (282 g/l)<br><br>Per mixed gallon. These are nominal values and may vary slightly with color. |
| **Thinner & Cleaner** | S71-0109 |

## SUBSTRATES & SURFACE PREPARATION

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

## MIXING & THINNING

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| **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.

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| **Airless Spray** | 45:1 ration pump<br>Tip Size: 0.019 to 0.025" (0.48-0.64 mm)<br>Pump Pressure: 2800 psi (19.3 MPa) minimum<br><br>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.

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| **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.<br><br>**Air Dry Schedule:**<br>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

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| **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

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| **Shelf Life** | 1 year<br><br>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

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.