

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Solvent Free Aromatic Polyurethane Hybrid
<b>Designation</b>	<p><b>This is a Carboline Specialty Product</b></p> <p>Minimum order quantities and special pricing will apply in North America. Contact your Carboline Sales Representative for more details.</p>
<b>Description</b>	Reactamine 760 HC is an environmentally friendly, advanced hybrid technology, plural-component lining for hopper cars and other services requiring abrasion and crack resistance.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Flexible, elastomeric formulation</li> <li>• Fast cure and walk on time</li> <li>• Does not require force cure</li> <li>• Excellent barrier properties, low permeability</li> <li>• Single-coat application 10 to 30 mils</li> <li>• Eliminates cracking due to flex and strain</li> <li>• Outstanding abrasion, impact and tear resistance</li> <li>• Readily removed when required.</li> <li>• Complies with 21 CFR 175.300 Methods D, E and G for direct dry food contact</li> </ul>
<b>Color</b>	0100 (light blue)
<b>Finish</b>	Gloss
<b>Primer</b>	Steel: Self-priming
<b>Dry Film Thickness</b>	<p>10 - 30 mils (254 - 762 microns) Total DFT</p> <p>10 to 15 mils (250 to 380 microns) for plastic pellet service.</p>
<b>Solids Content</b>	By Volume 100%
<b>Theoretical Coverage Rate</b>	<p>1604 ft<sup>2</sup>/gal at 1.0 mils (39.4 m<sup>2</sup>/l at 25 microns)</p> <p>160 ft<sup>2</sup>/gal at 10.0 mils (3.9 m<sup>2</sup>/l at 250 microns)</p> <p>53 ft<sup>2</sup>/gal at 30.0 mils (1.3 m<sup>2</sup>/l at 750 microns)</p> <p>Allow for loss in mixing and application.</p>
<b>VOC Values</b>	<p><b>As Supplied : 0</b></p> <p>Calculated</p>
<b>Limitations</b>	<ul style="list-style-type: none"> <li>• Reactamine 760 HC will tend to yellow or darken in exterior UV exposure but will not affect performance</li> <li>• Not recommended for exposure to concentrated acids, aromatic, ketone or chlorinated solvents</li> <li>• Dry temperature resistance ranges from -20 to 180 °F (-29 to 82 °C)</li> </ul>

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Surfaces must be properly cleaned. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
<b>Steel</b>	SSPC-SP10 with a 2.5 mil (60 micron) to 5 mil (127 microns) angular surface profile. For dry film thickness over 20 mils (500 microns) create an angular profile of 4 mils (100 micron) minimum.

# Reactamine<sup>®</sup> 760 HC

## PRODUCT DATA SHEET



### MIXING & THINNING

<b>Mixing</b>	Power mix Resin (Part A) with an air-driven agitator until homogenized just prior to use. Catalyst (Part B) requires no mixing before using unless tinted.
<b>Thinning</b>	Not recommended
<b>Ratio</b>	3:1 Ratio (A to B) by volume
<b>Gel Time</b>	8 minutes at 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.

<b>Plural Component Airless Spray</b>	Heated plural airless will be a fixed-volume ratio 3A:1B. Standard equipment typically includes heated hoses, drum heaters, pressure feed from 50 gallon steel drums or heated hoppers, recirculation system, automatic high-pressure shut-off system. Please call Carboline Technical Service (1-800-848-4645) for complete pump, static mixer, whip hose and airless gun with tip set up recommendations. Applicator training is required and spray equipment must be approved by Carboline's Field Technical Service. Note: Part A optimum material temperature should be 90° to 95°F (32° to 35°C) and Part B should be 80° to 85°F (26° to 29°C).
<b>Touch Up</b>	Brush apply material from Reactamine 760 Repair Kit. For use on small areas only. Available in dual cartridge system for dispensing touch-up quantities. Requires a 2:1 cartridge dispenser gun 600 ml:300 ml. Contact Technical Service for details.

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	75°F (24°C)	35°F (2°C)	25°F (-4°C)	0%
Maximum	110°F (43°C)	140°F (60°C)	120°F (49°C)	95%

### CURING SCHEDULE

Surface Temp.	Dry to Receive Light Traffic	Dry to Topcoat Maximum	Dry to Touch
77°F (25°C)	6 Hours	18 Hours	2 Hours

### CLEANUP & SAFETY

<b>Cleanup</b>	Use Thinner 2, Thinner 225E, or Thinner 76. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
<b>Safety</b>	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.
<b>Caution</b>	This product does not contain any solvents; however, clean-up solvents that may be used do contain flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

## PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	Part A: Min. 24 months at 75°F (24°C) Part B: Min. 12 months at 75°F (24°C)
	When kept at recommended storage conditions and in original unopened containers
<b>Storage Temperature &amp; Humidity</b>	40 to 120°F (4 to 49°C) 0 to 95% Humidity
	Store indoors and keep Dry. Do not place drums directly on concrete or earth. Store on top of wood slats or pallets. Blanket all partial drums with nitrogen gas to prevent moisture contamination. Avoid freezing. Do not open until ready to use. Rotate Resin (Part A) drums regularly if stored for the long term.
<b>Shipping Weight (Approximate)</b>	20 gal. kit - 187 lbs.
	200 gal. kit - 1870 lbs
<b>Flash Point (Setaflash)</b>	Part A: >300°F (148°C)
	Part B: 390°F (199°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 to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. 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. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.