

SELECTION & SPECIFICATION DATA

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

SUBSTRATES & SURFACE PREPARATION

General	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.
Steel	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.

MIXING & THINNING

Mixing	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.
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Reactamine 760 HC

PRODUCT DATA SHEET



MIXING & THINNING

- Thinning** | Not recommended
- Ratio** | 3:1 Ratio (A to B) by volume
- Gel Time** | 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.

- Plural Component Airless Spray** | 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).
- Touch Up** | 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

- Cleanup** | Use Thinner 2, Thinner 225E, or Thinner 76. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
- Safety** | 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.
- Caution** | 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

Shelf Life	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
Storage Temperature & Humidity	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.
Shipping Weight (Approximate)	20 gal. kit - 187 lbs. 200 gal. kit - 1870 lbs
Flash Point (Setflash)	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 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.