

SELECTION & SPECIFICATION DATA

Generic Type	Roll or Spray (RS) two component high solids novolac modified epoxy, exempt solvent.
Features	<ul style="list-style-type: none"> • Single Coat Direct to Metal High Solids Epoxy • Ultra Low Haps • Excellent adhesion • Excellent corrosion resistance • Good chemical resistance • Good heat resistance • Good to excellent resistance to hydrogen sulfide in water • Good adhesion to galvanized
Color	Beige (0200)
Gloss	Full
Dry Film Thickness	10 - 12 mils (254 - 305 microns) per coat 18 mils max
Typical Uses	Recommended as an interior liner for intermediate service such as crude oil, unleaded gasoline, most aromatic solvents, motor fuels, alkalies and brine. Recommended as a roll and spray system for heavily pitted substrate
Solids Content	By Volume 77% +/- 2% These are nominal values and may vary slightly with color.
Theoretical Coverage Rate	1235 ft ² /gal at 1.0 mils (30.3 m ² /l at 25 microns) 124 ft ² /gal at 10.0 mils (3.0 m ² /l at 250 microns) 103 ft ² /gal at 12.0 mils (2.5 m ² /l at 300 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : Per EPA Method: 0.09 lbs/gal (11 g/l)
Dry Temp. Resistance	Continuous: 400°F (204°C) Color will darken on exposure, conforms to NACE SPO302-2007 7.3.1.

SUBSTRATES & SURFACE PREPARATION

General	Heavily Pitted Substrate: Contact your Carboliner representative
Steel	Severe service applications – blasted to SSPC-SP-10, blast profile 2.0-4.0 mils.
Aluminum	Remove all surface contaminants and treat with Strathmore's Wash Primer or equivalent.

Stratholiner 7000 RS

PRODUCT DATA SHEET



PERFORMANCE DATA

Test Method	Results
Adhesion (ASTM D3359)	5A
Conical Mandrel (ASTM D522)	Passes 1" bend, 18% elongation
Humidity (ASTM D4585)	>2500 hrs; no affect on film
Impact Resistance (ASTM D2794)	40 in/lb (Direct) and 10 in/lb (Reverse)
Pencil Hardness (ASTM D3363)	5H
Salt Spray (ASTM B117)	2500 hrs; 1/8" creepage and no blistering
Taber Abrasion (ASTM D4060)	70 mg. loss after 1000 cycles, CS17 wheel 1000 gm. load

Thermal Shock Resistance: Conforms to NACE SPO302-2007 7.3.6 (-40°F to 325°F) in crude oil.

Auto Clave Test: @ 250°F (121°C) & 120 psi, NACE TM0185-4000 hrs with no degradation in film.

MIXING & THINNING

Mixing	<ul style="list-style-type: none">• Agitate thoroughly each component before combining• Mix (combine) 1:1 by volume Part A and Part B• Agitate thoroughly again after combining• Induction time: 30 minutes @ 75°F (24°C), 20 minutes @ 90°F (32°C)
Thinning	Not Recommended
Ratio	1 Part A to 1 Part B (Hardener)
Pot Life	3 Hours @ 75°F (24°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.

General	Airless Spray & Plural Component Tip Size: 0.017 to 0.021 Pump Pressure: 3000-4000 psi
Roller	Roll with mohair fabric roller.

APPLICATION PROCEDURES

General | Designed to be applied DTM as a roll application followed by a sprayed finish coat.

APPLICATION CONDITIONS

Condition

Surface temperature must be a minimum of 5°F (3°C) above the dew point before application.

CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Touch	Final Cure
75°F (24°C)	7 Hours	4 Hours	16 Hours

CURING SCHEDULE

Curing Details	Recoat up to 72 hrs after Air Dry or Force Cured as outlined: In Service: 50°F 75°F 90°F Force Cure As a liner: 7 days 4 days 3 days 24 hours
Force Cure	½ hr ambient air 200-250°F (93-121°C) air temperature for 1 hr (metal temp to 130°F / 54°C) 1.2 hr cool down (total 2 hrs)

CLEANUP & SAFETY

Ventilation | Recommended through the top or bottom of the tank car during application.

WARRANTY

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