

SELECTION & SPECIFICATION DATA

Generic Type	A high solids two component polyurethane topcoat coating
Description	A 4:1, high solids two component polyurethane topcoat coating. This coating is designed to provide very good corrosion, UV and chemical resistance as a topcoat.
Features	<ul style="list-style-type: none"> • Excellent Weathering resistance • Very Low HAPS • Low VOC • Easy one coat coverage • Excellent adhesion • Very good resistance to corrosion and spillage /splash of mild chemical • Very flexible • Excellent gloss and color retention
Color	White, Black and Grey or per customer requirements
Finish	High Gloss
Solids Content	By Volume 61% +/- 1%
VOC Values	<p>As Supplied : Per EPA Method 24: 1.30 lbs/gal (156 g/l)</p> <p>These are nominal values and may vary slightly with color. Product contains VOC-exempt t-butyl acetate. Check local regulations regarding product usage.</p>

SUBSTRATES & SURFACE PREPARATION

Steel	Blasted to SSPC-SP-10 to a 1.5-2.5 mil angular profile Lesser service applications – blasted to SSPC-SP-6 Surface to be free of all looser rust, dirt, grease and other contaminants
Aluminum	Remove all surface contaminants and treat with Strathmore's Wash Primer or equivalent.

PERFORMANCE DATA

Test Method	Results
Adhesion (ASTM D3359)	5A (no peeling or removal)
Flexibility (ASTM D522)	Passes 1/8" conical mandrel
Hardness (ASTM D3363)	H
Impact Resistance (ASTM D2794)	Up to 160 lbs.in (Direct) and 160 lbs. in (Rev)
QUV Resistance (ASTM G154)	4000 hours UVA-340

Chemical Resistance: No effect on film in various chemicals on 4 hrs/8hrs spot tests.
Corrosion Resistance (ASTM B117): 1500 hours salt fog over recommended primer.

MIXING & THINNING

Mixing	Agitate thoroughly each component before combining. Agitate thoroughly again after combining.
Thinning	None required, consult Carboline for recommendations. If necessary, reduce up to 15% after combining components

Railplex C4 TX Urethane

PRODUCT DATA SHEET



MIXING & THINNING

Ratio | 4:1 by volume

Pot Life | 3 hours @ 70°F (21°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
Tip Size: 0.013-0.017" (0.33-0.43 mm)
Pump Pressure: 2500-3500 psi (17-24 MPa)

To minimize or eliminate thinner use in-line heated equipment with insulated hoses to reach application vis. Do not exceed 165°F (74°C).

APPLICATION PROCEDURES

Application Rates | Designed to be applied in a single or two coat application.

APPLICATION CONDITIONS

Condition

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 Touch	Dry to Handle	Minimum Recoat Time	Maximum Recoat Time
70°F (21°C)	2 Hours	6 Hours	8 Hours	5 Days

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

Packaging | 55 gallon drums or 5 gallon pails

PACKAGING, HANDLING & STORAGE

Shelf Life	One year from date of manufacturing when kept at recommended storage conditions at 70°F (21°C) and in original unopened containers. Do not use material beyond shelf life.
Storage Temperature & Humidity	Do not store at temperatures above 100°F (38°C).
Storage	Containers must be closed tightly. Do not store outside. Rotate stock.

WARRANTY

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