Railplex® TX Urethane DTM

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	A two component, direct-to-metal (DTM) polyurethane coating
Description	A 4:1, high solids, two component, direct-to-metal (DTM) polyurethane coating. This coating is designed to provide very good corrosion, UV and chemical resistance in a one coat system.
Features	• Excellent Weathering resistance • Single coat direct to metal urethane • Very Low HAPS • Low VOC • Easy one coat coverage • Excellent adhesion • Very good resistance to corrosion and spillage /splash of mild chemicals • Very flexible • Excellent Gloss
Color	White, Black and Grey or per customer requirements
Finish	High Gloss
Dry Film Thickness	4 - 6 mils (102 - 152 microns) per coat Min. 2 mils (100 microns) over profile, not to exceed 10 mils (250 microns)
Solids Content	By Volume 61% +/- 2%
Theoretical Coverage Rate	978 ft²/gal at 1.0 mils (24.0 m²/l at 25 microns) 245 ft²/gal at 4.0 mils (6.0 m²/l at 100 microns) 163 ft²/gal at 6.0 mils (4.0 m²/l at 150 microns) Allow for loss in mixing and application.
VOC Value(s)	Per EPA Method 24: 1.4 lbs/gal (164 g/l) These are nominal values and may vary slightly with color. Product contains VOC-exempt t-butyl acetate. Check local regulations regarding product usage.

SUBSTRATES & SURFACE PREPARATION

General	Designed to be applied in a single or two coat application.
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.

MIXING & THINNING

Mixing	Agitate thoroughly each component before combining. Mix (combine) 4:1 by Volume Part A and Part B Agitate thoroughly again after combining.
Ratio	4:1 A to B(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

Force Cure	If car is force dried, 1 hr minimum air dry @75°F (23°C) before oven. Then force dry @145°F (60°C) for 1 hour, adjusting for ambient maximum conditions.

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
Shelf Life	Generally two years 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.

PACKAGING, HANDLING & STORAGE

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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