

PRODUCT INFORMATION

LONG TERM RUST PREVENTIVE COATINGS ASPHALT-BASED

TECTYL® has a well-known line of rust preventive coatings which have been utilized extensively by the US and NATO militaries, as well as many others. These legacy coatings based on a conventional asphalt resin have endured the test of time and provide a balance of long-term corrosion protection with the handling convenience of a firm, paint-like film. TECTYL® 891D products are approved under Military Specification MIL-PRF-16173E, Grade 1 and MIL-P-116J, Type P-1. The 121B and 5164 formulas are derivations of this technology which were reapplied for common automotive industry applications, suitable for undercoating for transportation equipment. These products meet the Federal Specification TT-C-520B.

PRODUCT INFORMATION

LABORATORY DATA	891D Class 1	891D Class 2	121B	5164
Liquid Appearance	Black, Light Viscosity	Black, Light Viscosity	High Viscosity	Viscous, Thixotropic
Dry Film Color	Black	Black	Black	Black
Film Type	Firm, Pliable, Glossy	Firm, Pliable, Glossy	Firm, Pliable, Semi-Gloss	Firm, Pliable, Semi-Gloss
Non-Volatile by Weight	50.4%	65.6%	68%	63%
Non-Volatile by Volume	44.1%	59.7%	56.4%	50%
V.O.C. (lbs/gal minus water)	3.64	2.63	2.83	3.22
Viscosity	1,500 cPs Brookfield RV Spindle #3 @ 10 rpm	2,300 cPs Brookfield RV Spindle #3 @ 10 rpm	100,000 cPs Brookfield RV Spindle #7 @ 10 rpm	39,000 cPs Brookfield RV Spindle #5 @ 10 rpm
Specific Gravity	0.88	0.91	1.06	1.06
Weight per Gallon	7.3	7.6	8.83	8.83
Flash Point	105°F			
Wet Film Thickness	5.7 mils	4.7 mils	26 – 36 mils	20 – 30 mils
Dry Film Thickness	2.5 mils	2.8 mils	15 - 20 mils	10 - 15 mils
Coverage (sq.ft/gal)	340	344	44 - 62	53 - 80
Cure Time	16 hours	16 hours	16 - 24 hours	4 hours
Impervious to Water	1 hour			
Removal: Wet and Dry Film	Mineral Spirits or Citrus Based Cleaners			

ACCELERATED CORROSION TESTS	891D Class 1	891D Class 2	121B	5164
5% Salt Spray (Hours) ASTM* B-117 @ Recommended DFT	864	960	3,672	1,500
100% Relative Humidity (Hours) ASTM* D-1748 @ Recommended DFT	960	960	1,500	2,000
Indoor Exposure	5 years	5 years	5 years	5 years
Outdoor Exposure	2 years	2 years	5 years	5 years

APPLICATION

TECTYL® 891D Class 1 and **TECTYL® 891D Class 2** are commonly applied by spray or dip.

TECTYL® 121B can be applied by airless spray. Daubert recommends a 30:1 airless pump or greater that can deliver 800 – 1200 psi to a 0.017 to 0.025 reverse-a-clean tip. The pump should be equipped with a follower plate. This product should be applied at temperatures 50°F to allow for proper film formation. **TECTYL® 121B** is supplied in open head drums.

TECTYL® 5164 can be applied by airless spray. Daubert recommends a 15:1 airless pump or greater that can deliver 800 – 1200 psi to a 0.017 to 0.025 reverse-a-clean tip. This product should be applied at temperatures 50°F to allow for proper film formation. **TECTYL® 5164** is supplied in totes and open head drums.

*ASTM (American Society for Testing and Materials)

Please Refer to SDS Or Contact Daubert Chemical Company for Additional Information

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