



PRODUCT INFORMATION

DAUBERT
CHEMICAL COMPANY, INC.

TECTYL® 185GW Aluminum

Description

TECTYL® 185GW Aluminum is a solvent cutback, thixotropic corrosion preventive compound. The dry film is semi-firm and has a semi-gloss appearance. TECTYL® 185GW Aluminum provides outstanding protection in marine, tropical, and industrial environments, and is widely used for transportation

equipment. TECTYL® 185GW Aluminum possesses dielectric strength of 800 volts per dry mil of coating. TECTYL® 185GW Aluminum provides galvanic corrosion protection and can be applied on battery terminals for insulating purposes.

Laboratory Data

Typical Properties

Flash, PMCC*, Minimum	106°F
Density, Weight/Gallon @ 77°F (25°C)	8.3 ± 0.1 lbs./gallon
Specific Gravity @ 60°F (15.6°C)	1.00
Recommended Dry Film Thickness over Metal Profile	4 - 5 mils
Theoretical Coverage @ Recommended DFT	167.5 sq. ft./gallon
Non-Volatile % by Weight	59 ± 2
Non-Volatile % by Volume	47 ± 2
Volatile Organic Content (VOC), Maximum	3.4 lbs./gallon
Approximate Dry to Touch Time @ 77°F (25°C)	8 - 10 hours
Cure Time	22 - 24 hours
High Temperature Flow Point, Minimum	350°F
Dielectric Strength, volts/dry mil (ASTM D-149-92)	800
Accelerated Corrosion Tests:	
5% Salt Spray (Hours) ASTM** B-117 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	3384
100% Relative Humidity (Hours) ASTM D-1748 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	3000
Weathering Hours ASTM G-26 Method A--Xenon Lamp ASTM G-53 QUV Cyclic Ultraviolet/Condensation Tester	2000 2000

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL® 185GW Aluminum can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Daubert Chemical Company recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

Application

TECTYL® 185GW Aluminum is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of solvent during use, contact Daubert Chemical Company. DO NOT THIN TECTYL® 185GW Aluminum. Incorrect thinning will affect film build, dry time and product performance. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application. TECTYL® 185GW Aluminum can be airless spray applied.

Removal

TECTYL® 185GW Aluminum can be removed with TECTYL® HPS solventborne thinner, vapor degreasing, hot alkaline wash, or low pressure steam. TECTYL® 185GW Aluminum can be removed from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when removing from painted surfaces, as these solvents may adversely affect paint.

Storage

Store TECTYL® 185GW Aluminum at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

Caution

Adequate ventilation is required for cure and to ensure against formation of a combustible liquid. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. Refer to Daubert's Material Safety Data Sheet for additional handling and first aid information.

Note:

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating as stated in the lab data section. If a products other than Daubert Chemical Company' recommended product is required, written authorization must be obtained from Daubert Chemical Company.

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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.