

TECTYL® 300G Clear

Description

TECTYL 300G Clear is a waterborne corrosion preventive coating. The cured film is hard and flexible. TECTYL 300G Clear provides an effective

barrier against corrosive environments for ferrous and non-ferrous fabrications and industrial components.

Laboratory Data

Typical Properties

	<u>English</u>	<u>Metric</u>
Flash, PMCC*, Minimum	105°F	41.1°C
Density, Weight/Gallon @ 77°F (25°C)	8.4 ± 0.2 lbs./gallon	1,006 grams/L
Specific Gravity @ 60°F (15.6°C)	1.01	
Recommended Dry Film Thickness over Metal Profile	1.0 - 2.0 mils	25.4 - 50.8 microns
Theoretical Coverage @ Avg. Recommended DFT	256.6 sq. ft./gallon	6.02 sq. meters/L
Non-Volatile % by Weight	27 ± 2	
Non-Volatile % by Volume	24 ± 2	
Volatile Organic Content (VOC)	2.8 lbs./gallon	333.2 grams/L
Dry to Touch Time @ 77°F (25°C)	15 - 30 minutes	
Cure Time	24 hours	
Mechanical Properties @ Recommended DFT		
Mandrell Bend (180°)	Excellent	
Pencil Hardness	3H	
Gloss (60/20)	92/56	
Accelerated Corrosion Tests: (2x4x1/8 in. Cold Rolled Steel)		
5% Salt Spray (Hours)		
ASTM** B-117 @ Recommended DFT:	300	
@ 1.5 mils DFT:	500	
100% Relative Humidity (Hours)		
ASTM D-1748 @ Recommended DFT:	500	
Weathering Hours		
ASTM G-23 @ Recommended DFT:	500	

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL 300G Clear 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 300G Clear 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 water and coalescing solvent during use, contact Daubert Chemical Company. DO NOT THIN TECTYL 300G Clear. 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 300G Clear can be airless spray or dip applied. DO NOT FREEZE TECTYL 300G Clear.

Removal

The dry film is not normally intended for removal. The product can be stenciled over after the film is cured. Tectyl WBS-A, citrus or alkaline cleaner will remove fresh residue accumulated on application equipment. If removability is a factor, contact Daubert Chemical Company and samples should be evaluated prior to application.

Storage

Store TECTYL 300G Clear 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 product other than Daubert Chemical Company's recommended product is required, written authorization must be obtained from Daubert Chemical Company.

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CAUTION: The data, statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

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