

TECTYL[®] 300G SPL Black

Description

TECTYL[®] 300G SPL Black is a waterborne corrosion preventive coating. The cured film is hard and flexible. TECTYL[®] 300G SPL Black provides an effective barrier

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

Laboratory Data

Flash, PMCC*, Minimum
Density, Weight/Gallon @ 77°F (25°C)
Specific Gravity @ 60°F (15.6°C)
Recommended Dry Film Thickness over Metal Profile
Theoretical Coverage @ Avg. Recommended DFT
Non-Volatile % by Weight
Non-Volatile % by Volume
Volatile Organic Content (VOC), Less Water
Volatile Organic Content, With Water
Dry to Touch Time @ 77°F (25°C)
Cure Time

Mechanical Properties @ Recommended DFT
Mandrell Bend (180°)
Impact Direct/Reverse

Typical Properties

150°F
9.59 ± 0.2 lbs./gallon
1.15
1.0 - 2.0 mils
299 sq. ft./gallon
38 ± 2
28 ± 2
1.9 lbs./gallon
0.6 lbs/gallon
15 - 30 minutes
24 hours

Excellent
160/160

(Typical values may vary due to pigmentation and/or individual application requirements.)

Accelerated Corrosion Tests: (2x4x1/8 in. Cold Rolled Steel)

5% Salt Spray (Hours)
ASTM** B-117 @ 1.5 mils DFT:
(2x4x1/8 in. Polished Steel Panels)

400

100% Relative Humidity (Hours)
ASTM** D-1748 @ Recommended DFT

240 Minimum

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL® 300G SPL Black 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 SPL Black 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 SPL Black. 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 SPL Black can be airless spray or dip applied. DO NOT FREEZE TECTYL® 300G SPL Black.

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