

TECTYL[®] 351S

Description

TECTYL[®] 351S is a waterborne, asphalt emulsion corrosion preventive compound suitable for complete undercoating of ferrous and non-ferrous metals of transportation equipment, trailer homes, modular

homes, and the protection of sewage pipes. The cured film is firm, black, resilient, matte textured, abrasion resistant, and provides sound deadening.

Laboratory Data

Typical Properties

Flash, PMCC*, Minimum	212°F
Density, Weight/Gallon @ 77°F (25°C)	9.3 ± 0.2 lbs./gallon
Specific Gravity @ 60°F (15.6°C)	1.129
Recommended Dry Film Thickness over Metal Profile	8 - 10 mils
Theoretical Coverage @ Avg. Recommended DFT	79 sq. ft./gallon
Non-Volatile % by Weight	48 ± 2
Non-Volatile % by Volume	42 ± 2
Volatile Organic Content (VOC)	0 lbs./gallon
Approximate Dry to Touch Time @ 77°F (25°C)	30 - 45 minutes
Cure Time	16 - 24 hours
High Temperature Flow Point, Minimum	350°F

Accelerated Corrosion Tests:

5% Salt Spray (Hours) ASTM** B-117 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	1000
100% Relative Humidity (Hours) ASTM D-1748 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	2000
Weathering Hours (Federal Standard 141, Method 6151 @ Recommended DFT)	300

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL® 351S 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® 351S 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 during use, contact Daubert Chemical Company. DO NOT THIN TECTYL® 351S. 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® 351S can be airless spray applied. DO NOT FREEZE TECTYL® 351S.

Removal

The dry film is not normally intended for removal. Tectyl® WBS-A, citrus or alkaline cleaner will remove fresh residue accumulated on application equipment. A totally cured film requires the use of aliphatic mineral spirits for removal. If removability is a factor, contact Daubert Chemical Company and samples should be evaluated prior to application.

Storage

Store TECTYL® 351S 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.