

## Tectyl<sup>®</sup> 437D

### Description

Tectyl<sup>®</sup> 437D is a hot application corrosion preventive compound which provides an effective barrier against atmospheric corrosion. The film is semi-firm, tan in color, and opaque. Tectyl<sup>®</sup> 437D

is covered under Military Specification MIL-C-11796C, Class 3, QPL Reference Number M-6154.

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### 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 @ Recommended DFT  
Non-Volatile % by Weight  
Non-Volatile % by Volume  
High Temperature Flow Point, Minimum  
Melting Point  
Penetration @ 77°F (25°C), mm  
Application (dip) Temperature

### Typical Properties

350°F  
7.7 ± 0.1 lbs./gallon  
0.92  
1.5 mils  
145 sq. ft./pound  
99.4  
99.4  
130°F  
162°F  
211  
180°F Max.

#### Accelerated Corrosion Tests:

##### 5% Salt Spray (Hours)

ASTM\*\* B-117 @ Recommended DFT  
(2x4x1/8 in. Polished Steel Panels) 500

##### 100% Relative Humidity (Hours)

ASTM D-1748 @ Recommended DFT  
(2x4x1/8 in. Polished Steel Panels) 720

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® 437D 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® 437D should be applied to clean, dry metal surfaces in the hot (molten) state by hot airless spray or dip. (See application temperatures under Lab Data.) TECTYL® 437D can be applied at warm, ambient temperatures by brush or swab.

## Removal

TECTYL® 437D can be removed by TECTYL® HPS, vapor degreasing, or high-pressure steam cleaning.

## Caution

For additional handling and first aid information, refer to Daubert's Material Safety Data Sheet.

## 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 numerable 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.

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