

## Tectyl<sup>®</sup> 5166

### Description

Tectyl<sup>®</sup> 5166 is a metallo-organic, polar type rust-proofing compound specifically designed to protect automotive body sections and complete under-carriage and inner cavity areas. This rust-proofing compound has a thin gel, but low viscosity that allows for film build on vertical surfaces and for seam penetration (capillary action) into areas with metal-to-metal overlap. The resulting film is amber in color and will repel water, self-heal, and remain flexible to prevent chipping or

cracking. Daubert recommends the use of Tectyl<sup>®</sup> 5166 wherever a water displacing, long term, body corrosion preventive is needed.

The film of Tectyl<sup>®</sup> 5166 does not build up with repeat applications. Tectyl<sup>®</sup> 5166 is recommended as an annual rustproofing compound.

### Laboratory Data

Appearance  
Specific Gravity  
Wt/Gal  
Flash Point  
Viscosity, LV #2 @12 RPM  
Solids (by weight)  
Solids (by volume)  
VOC  
Film Thickness

### Typical Properties

Amber, low viscosity, oil  
0.86  
7.20  
202°C (min.)  
200 – 300 cps  
99.2%  
99.2%  
0.0 lbs/gal  
1 mil applied

### Protective Properties

Accelerated Corrosion Resistance, 5% Salt Fog at 100°F  
ASTM-B-117  
**> 72 Hours**

Humidity Cabinet (ASTM-D-1748)  
100°F at 100% relative humidity  
**> 168 Hours**

Water Displacement Federal Standard  
791 Method 3007 - **Pass**

Creep Mil-C-0083933 (MR)  
**¼ - ½ inch between overlapping metal panels**

Pour Point  
**-5°C (min)**

Paint Staining  
**Will not stain automotive paint finishes.**

## Surface Preparation

The maximum performance of Tectyl<sup>®</sup> 5166 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<sup>®</sup> 5166 is normally applied by low pressure airless spray equipment with accessory spray wands capable of coating critical areas through existing openings or drilled 1/2 inch access holes.

## Removal

Tectyl<sup>®</sup> 5166 can be removed by using Kerosene or Mineral Spirits

## Caution

Adequate ventilation is required to ensure against formation of a combustible liquid. 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.

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