

## **Tectyl<sup>®</sup> 1420 HAPS FREE BLACK**



### **Description**

Tectyl<sup>®</sup> 1420 HAPS Free Black is a low VOC, air-dry, waterborne corrosion preventive coating. The cured film is black, hard and flexible. Tectyl<sup>®</sup> 1420 HAPS

Free Black provides effective protection for ferrous and non-ferrous transportation components and equipment.

### **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)  
Approximate Dry to Touch Time @ 77°F (25°C)  
Cure Time

### **Typical Properties**

105°F  
8.4 ± 0.1 lbs./gallon  
1.02  
1.0 - 2.0 mil  
310 sq. ft./gallon  
32 ± 2  
29 ± 3  
2.8 lbs./gallon  
45 - 60 minutes  
24 hours

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

5% Salt Spray (Hours)  
ASTM\*\* B-117 @ Recommended DFT:

300

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

300

\*PMCC (Penske Martin Closed Cup)

\*\*ASTM (American Society for Testing and Materials)

## Surface Preparation

The maximum performance of Tectyl® 1420 HAPS Free 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® 1420 HAPS Free 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® 1420 HAPS Free 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® 1420 HAPS Free Black can be dip applied. **DO NOT FREEZE** Tectyl® 1420 HAPS Free Black.

## Removal

The dry film is not normally intended for removal. The product can be stenciled over after the film is cured. Tectyl® WBS-B, 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® 1420 HAPS Free 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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**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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4700 South Central Avenue ■ Chicago, IL 60638 ■ 1-800-688-0459 ■ or 708-496-7350 ■ Fax: 708-496-7367

Visit our web site at [www.daubert.com](http://www.daubert.com) ■ Our e-mail is [dauchem@daubert.com](mailto:dauchem@daubert.com)

