

Tectyl® 2423 HAPS FREE BLACK



Description

TECTYL® 2423 HAPS Free Black is a low VOC, high solids, emulsion corrosion preventive coating. TECTYL® 2423 HAPS Free Black provides excellent protection to ferrous and non-ferrous metals with a

single application. The cured film is hard and flexible. TECTYL® 2423 HAPS Free Black is an industrial coating suitable for intermodal chassis/containers, rail cars, road, and construction 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), Maximum
 Approximate Dry to Touch Time @ 77°F (25°C)
 Mechanical Properties @ Recommended DFT
 Gloss (60/20)
 Mandrell Bend (180°)
 Pencil Hardness
 Gravelometer Testing @ Room Temp.
 (SAE J400) @ -10°F / 2 hours

Typical Properties

150°F
 10.46 ± 0.2 lbs./gallon
 1.26
 5.0 - 6.0 mils
 116.7 sq. ft./gallon
 54 ± 2
 40 ± 2
 1.5 lbs./gallon
 30 - 45 minutes
 45/15
 Excellent
 H
 6A - Excellent
 5A - Very Good

Accelerated Corrosion Tests: (2x4x1/8 in. Polished Steel Panels)

5% Salt Spray (Hours)
 ASTM** B-117 @ Recommended DFT: 1800
 100% Relative Humidity (Hours)
 ASTM D-1748 @ Recommended DFT: 1000
 Weathering Hours (Federal Standard 141,
 Method 6151 @ Recommended DFT:) 1000

*PMCC (Penske Martin Closed Cup)
 **ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL® 2423 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® 2423 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 or coalescing solvent during use, contact Daubert Chemical Company. DO NOT THIN TECTYL® 2423 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® 2423 HAPS Free Black can be applied by air assist or airless spray. DO NOT FREEZE TECTYL® 2423 HAPS Free Black.

Removal

The dry film is not normally intended for removal. The product can be stenciled over after the film is cured. An 80/20 blend of water and ethylene glycol monobutyl ether, 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 use.

Storage

Store TECTYL® 2423 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 atmosphere. 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.

July 7, 2010:kc

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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