



PRODUCT INFORMATION

DAUBERT
CHEMICAL COMPANY, INC.

TECTYL® 300G HF BLACK (2.1)

Description

TECTYL® 300G HF BLACK (2.1) is a waterborne corrosion preventive coating that possesses a volatile organic content (VOC) of 2.1 lbs. per gallon and a flash point >212°F (100°C). The cured film is hard and flexible. TECTYL® 300G HF BLACK (2.1) provides an effective barrier against corrosive environments for

ferrous and non-ferrous fabrications and industrial components. TECTYL® 300G HF BLACK (2.1) is suitable for use within environments that require coatings to possess higher flash points and lower VOC standards.

Laboratory Data

Flash, SETA, 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

Mechanical Properties @ Recommended DFT
Mandrell Bend (180°)
Pencil Hardness
Gloss (60/20)

(Typical values may vary due to pigmentation and/or individual application requirements.)

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

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

300

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

500

Weathering Hours
ASTM G-23 @ Recommended DFT:

500

**ASTM (American Society for Testing and Materials)

Typical Properties

>212°F

8.41 ± 0.2 lbs./gallon

1.01

1.0 - 2.0 mils

224.56 sq. ft./gallon

24 ± 3

21 ± 3

2.1 lbs./gallon

30 - 45 minutes

24 hours

Excellent

H

80/45

Surface Preparation

The maximum performance of TECTYL[®] 300G HF BLACK (2.1) 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[®] 300G HF BLACK (2.1) 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[®] 300G HF BLACK (2.1). 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[®] 300G HF BLACK (2.1) can be airless spray or dip applied. DO NOT FREEZE TECTYL[®] 300G HF BLACK (2.1).

Removal

The dry film is not normally intended for removal. The product can be stenciled over after the film is cured. Tectyl[®] WBS-A, 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[®] 300G HF BLACK (2.1) 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.