

TECTYL® 1427 Black

Description

TECTYL® 1427 Black is a low VOC, high solids, solventborne corrosion preventive coating. TECTYL® 1427 Black provides excellent protection for ferrous and non-ferrous metals with a single application. The

cured film is hard and flexible. TECTYL® 1427 Black is an industrial coating suitable for intermodal chassis, farm, road and construction equipment.

Laboratory Data

Typical Properties

Flash, PMCC*, Minimum		20°F
Density, Weight/Gallon @ 77°F (25°C)		10.63 ± .2 lbs./gallon
Specific Gravity @ 60°F (15.6°C)		1.31
Recommended Dry Film Thickness over Metal Profile		2.5 - 3.0 mils
Theoretical Coverage @ Avg. Recommended DFT		332 sq. ft./gallon
Non-Volatile % by Weight		72 ± 3
Non-Volatile % by Volume		57 ± 3
Volatile Organic Content (VOC)		2.80 lbs./gallon
Approximate Dry to Touch Time @ 77°F (25°C)		5 - 10 minutes
Post Application Parameters		
Handling Time (labeling, wiring, etc.)		1 hour
Weather Exposure:	rain	2 - 3 hours
	snow	1 - 2 hours
Mechanical Properties @ Recommended DFT		
Gloss (60/20)		75/34
Mandrell Bend (180°)		Good
Pencil Hardness		H
Gravelometer Testing	@ Room Temp.	5A - Very Good
(SAE J400)	@ -10°F / 2 hours	4B - Good
<u>Accelerated Corrosion Tests:</u>		
(2x4x1/8 in. Polished Steel Panels)		
5% Salt Spray (Hours)		
ASTM** B-117 @ Recommended DFT:		1800
100% Relative Humidity (Hours)		1800
ASTM D-1748 @ Recommended DFT:		no blisters
Weathering Hours (Federal Standard 141, Method 6151 @ Recommended DFT:)		1200

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL® 1427 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® 1427 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 solvent during use, contact Daubert Chemical Company. DO NOT THIN TECTYL® 1427 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® 1427 Black can be airless spray, conventional spray or brush applied. DO NOT FREEZE TECTYL® 1427 Black.

Removal

The dry film is not normally intended for removal. The product can be stenciled over after the film is cured. Xylene, Acetone, or Ketone solvents 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® 1427 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.

3/24/04:kp

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.

WARRANTY: Daubert Chemical Company, Inc. ("Daubert") warrants all products manufactured by it to be free from defects in material and workmanship. DAUBERT MAKES NO OTHER WARRANTIES, WHETHER, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH PRODUCTS, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND IMPLIED WARRANTIES ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE, ARE DISCLAIMED BY DAUBERT. All claims hereunder must be made in writing within 30 days after receipt of the products at the buyer's plant and prior to further processing the products or combining them with other materials or products. Daubert's liability, whether under this warranty or in contract, tort, negligence or otherwise, is limited to the return of the net purchase price paid for any products proven defective or, at Daubert's option, to the repair or replacement of said products upon their return, transportation prepaid, to Daubert. THE REMEDY HEREBY PROVIDED SHALL BE THE EXCLUSIVE AND SOLE REMEDY OF THE BUYER, AND UNDER NO CIRCUMSTANCES SHALL DAUBERT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. No Daubert representative or other person is authorized to change this warranty in any way or to assume for Daubert any other liability in connection with the sale or use of its products.

REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.