

## TECTYL® 1428

### Description

TECTYL® 1428 is a black (3.4) VOC, HAPS free, low VOC, air dry, high solids, solventborne corrosion preventive hard shell coating. TECTYL® 1428 is an

effective barrier against corrosive environments for ferrous and non-ferrous fabrications and industrial components. The cured film is hard, flexible and durable.

### 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)

Post Application Parameters

Handling Time (labeling, wiring, etc.)

Weather Exposure:

rain  
snow

Mechanical Properties @ Recommended DFT

Gloss (60) @ 24 Hours

QUV (168 Hours) ASTM D4587

% of Original Gloss Retained

Mandrell Bend (180°)

Pencil Hardness

### Typical Properties

#### English

20° F

9.22 lbs./gallon

1.11

2.5 - 3.0 mils

262 sq. ft./gallon

60 ± 2

45 ± 2

3.4 lbs./gallon

5 - 10 minutes

1 hour

2 - 3 hours

1 - 2 hours

60

50%

Good

H

#### 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:

1800

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® 1428 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® 1428 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® 1428. 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® 1428 can be airless spray, conventional spray, or brush applied. DO NOT FREEZE TECTYL® 1428.

## 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® 1428 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' recommended product is required, written authorization must be obtained from Daubert Chemical Company.

(12/01)

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