

TECTYL[®] 4033

Description

TECTYL[®] 4033 is a water based, thixotropic, black corrosion preventive compound. The dry film is waxy and non-tacky. TECTYL[®] 4033 provides excellent weathering and corrosion protection for industrial

applications including various forms of wood flooring. TECTYL[®] 4033 is recommended for use in the transportation industry as an undercoating for metal and wood surfaces.

Laboratory Data

Physical Properties

Flash, PMCC*, Minimum
Density, Weight/Gallon @ 77°F (25°C)
Specific Gravity @ 60°F (15.6°C)
Recommended Dry Film Thickness over Metal Profile
Non-Volatile % by Weight
Non-Volatile % by Volume
Volatile Organic Content (VOC), Maximum
Approximate Dry to Touch Time @ 77°F (25°C, 50% RH))
Cure Time
Freeze Thaw Stability
Shelf Life

Typical Properties

N/A
8.2 ± 0.15 lbs./gallon
0.98
5 – 7 mils
41 ± 2
44 ± 2
0.6 lbs./gallon
24 hours
7 days
None – Do Not Freeze
6 Months

Performance Tests:

5% Salt Spray (Min Hours)
ASTM** B-117 @ Recommended DFT
(2x3x1/8 in. Polished Steel Panels)

2000

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

2500

Gravelometer, --20°C, CSAE-J 400

Good or Better Rating

High Temperature Flow Resistance @ 80°C

No Sagging

Corrosion Cycles, BM 9505 PG – 30 Cycles

No Defects

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL® 4033 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® 4033 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 during use, contact Daubert Chemical Company. DO NOT THIN TECTYL® 4033. 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® 4033 can be airless spray applied.

Removal

TECTYL® 4033 can be removed with TECTYL® HPS solventborne thinner, vapor degreasing, hot alkaline wash, or low pressure steam. TECTYL® 4033 can be removed from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when removing from painted surfaces, as these solvents may adversely affect paint.

Storage

Store TECTYL® 4033 at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

Caution

Adequate ventilation is required for cure. 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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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.