

Tectyl[®] 482

Description

Tectyl[®] 482 is an oil concentrate corrosion preventive compound. The film is oily, transparent and non-staining. It is designed to be diluted with mineral spirits

for optimum performance. Dilution of Tectyl[®] 482 is recommended at 34 percent Tectyl[®] 482 and 66 percent mineral spirits by volume.

Laboratory Data

Flash, PMCC*, Minimum
Density, Weight/Gallon @ 77°F (25°C)
API Gravity @ 60°F (15.6°C)
Specific Gravity @ 60°F (15.6°C)
Recommended Dry Film Thickness over Metal Profile
Theoretical Coverage @ Recommended DFT
Non-Volatile % by Weight
Non-Volatile % by Volume
Volatile Organic Content (V.O.C.)
Water Displacement
Falex, 2,000 pound load
Shell 4-Ball

Accelerated Corrosion Tests:

5% Salt Spray (Hours)
 ASTM** B-117 @ Recommended DFT
 (2x4x1/8 in. Polished Steel Panels)
100% Relative Humidity (Hours)
 ASTM D-1748 @ Recommended DFT
 (2x4x1/8 in. Polished Steel Panels)

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Typical Properties

165°F
7.75 lbs./gallon
20.5±1
.9309
0.10 mils
12,832.0 sq. ft./gal.
88±2%
80±2%
.93 lbs./gallon
Pass
Pass
0.5 mm Scar

Benefits

Easy Application

Tectyl[®] 482 is an oil concentrate corrosion preventive compound. The film is oily, transparent, and non-staining.

Low-Cost Protection

Tectyl[®] 482 reduced with aliphatic solvent (mineral spirits) is a one-coat rust preventive. The thin film provides high coverage and low-cost protection.

Long-Term Protection

Tectyl[®] 482 solvent cutbacks are recommended for use on phosphated or non-phosphated machined parts, automotive parts, crankshafts, bar and drill stock, and other metal components. Tectyl[®] 482, cut with solvent or kerosene, has active water displacing, creep, and penetrating properties. This positive combination is an important advantage for the protection of machined parts in process.

Surface Preparation

The maximum performance of Tectyl® 482 can be achieved when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. However, Tectyl® 482 reduced with aliphatic solvent is an excellent water displacer and penetrant. Daubert Chemical Company recommends that the metal substrate temperature be 50 - 95°F (10-35°C) at the time of product application.

Application

Ensure uniform consistency prior to use. Continued stirring or thinning is generally not required. If product thickens due to cold storage or loss of solvent during use, add only aliphatic mineral spirits and only if necessary to restore consistency. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95° F (10 - 35°C) at time of application. DO NOT FREEZE Tectyl® 482. Tectyl® 482 can be spray dip, brush or flush applied.

Coverage

Tectyl® 482, reduced 1 to 3 with mineral spirits, has a theoretical coverage of 12,832 square feet per gallon (301 square meters per litre) at recommended dry film thickness of 0.10 mils (2.5 microns). Material losses during application will vary and must be considered when estimating job requirements.

Removal

Tectyl® 482 can be removed with Tectyl® HPS solventborne thinner, vapor degreasing, hot alkaline wash, or low pressure steam. Tectyl® 482 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.

Caution:

Tectyl® 482 cures by solvent evaporation. Use with adequate ventilation. Adequate ventilation is required for cure and to ensure against formation of an explosive atmosphere. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. For further information, consult Technical Bulletins #22 and #34. Refer to Daubert's Material Safety Data Sheet for health and safety 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 numerous 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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