Tectyl™ 511-M

Premium solvent based corrosion preventive compound.

Tectyl 511-M is a solvent cutback, water displacing, oil-based corrosion preventive compound. Tectyl 511-M meets the performance requirements of Military Specification MIL-PRF-16173E Grade, Grade 5, Class 1. Tectyl 511-M is designed to protect ferrous and non-ferrous industrial parts and transportation components during covered shipment and inside storage. Tectyl 511-M cures to a light amber colored, transparent oily film.

Approvals / Performance Levels

Tectyl™ 511-M	
Recommended Dry Film Thickness over metal profile	8 µm
Salt Spray Salt Spray; 5 % NaCl @ 35°C; ISO 9227 NSS (Q-Panels, Type R, ASTM A1008)	min. 20 days
Humidity Humidity; 100 % RH; @ 40°C; ISO 6270-2 CH (Q-Panels, Type R, ASTM A1008)	min. 40 days
MIL-PRF-16173E Grade / class	5/1
Protection Indoor (min. months)	min. 18
Protection Outdoor (min. months)	min. 6

Applications

Surface Preparation

The maximum performance of Tectyl 511-M can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. CorPro recommends a substrate temperature of 10-35 °C at the time of product application.

Application

Tectyl 511-M is formulated to be used as supplied. Do not thin Tectyl 511-M. CorPro recommends that the ambient and product temperature be 10-35 °C at the time of product application. Tectyl 511-M can be applied by low pressure air spray or dipping. Details on application can be found in the application chart.

Removal

Tectyl 511-M can in the wet phase be removed with Tectyl Biocleaner, Tectyl 150 or low-pressure steam. If dried and cured Tectyl 511-M can be removed with Tectyl Biocleaner or Tectyl 150.

Features & Benefits

Superior Protection

At the recommended DFT Tectyl 511-M will protect against corrosion during storage and domestic transport.

Economical

With a DFT of only 7.5 microns, Tectyl 511-M can protect a large surface area with just a little amount of the product.

Processing

Tectyl 511-M is easy to apply and easy to remove, when no longer needed.

Trusted since 1930

Since 1930, Tectyl™ protective coatings have been extending the operational life of cars, trucks, buses and other vehicles and equipment. The Tectyl name is synonymous with quality coatings that are easy to apply, long-lasting and easy to remove when no longer required.

For more information on Tectyl products, programs and services please visit www.tectyleurope.com.

Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office.

Protect the environment

Comply with local regulations. Do not discharge into drains, soil or water.

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Tectyl™ 511-M

Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Tectyl specifications, variations in these characteristics may occur.

Tectyl™ 511-M	
Flash Point	40°C PMCC
Density @ 20°C	0.85 kg/ltr
Theoretical Coverage @ Recommended dry film thickness	52 sqm/ltr
Viscosity (DIN 53211) Cup No. 2	45 s
Non Volatile Weight	45%
Cure Time @ 20°C	24 hours
Storage Temperature	10 - 35°C
Application Temperature	10 – 35°C
VOC Content ISO 11890–2 (10.4)	438 g/ltr

https://tectyleurope.com

Storage

Tectyl 511-M should be stored at temperatures between 10-35 °C. Do not freeze Tectyl 511-M. Mild agitation is recommended prior to use. Due to its composition Tectyl 511-M can be subject to postproduction viscosity changes during storage. Under proper storage conditions Tectyl 511-M is best before 36 months after production date.

Caution

Adequate ventilation is required for cure and to ensure against formation of combustible liquid. The partially cured film should not be exposed to ignition sources such as flares, flames, sparks, excessive heat or torches. refer to the 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 affecting the performance of this coating as stated in the Performance level section. If a primer, other than a CorPro recommended product is required, written authorization must be obtained from CorPro.

State of the information

November 09, 2026

Validity

This information only applies to products manufactured in the following regions: Europe

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