

General Corrosion Preventive

Tectyl™ 511-M



Water Displacing



Military-Grade Performance



Versatile Metal Protection



Ideal for Storage & Shipment



Transparent Finish



PL Pail Can
20L



KEG
59L



DR - Drums
200L

Description:

Tectyl™ 511-M is a premium solvent cutback, water displacing, oil-based corrosion preventive compound. It meets Military Specification MIL-C-16173 D, Grade 5 requirements. Designed to protect ferrous and non-ferrous industrial parts and transportation components during covered shipment and indoor storage. Cures to a light amber, transparent oily film.

Properties:

Tectyl™ 511-M forms a thin, transparent protective oil film that spreads easily over metal surfaces and penetrates small gaps and crevices. The formulation provides reliable corrosion protection while maintaining surface accessibility for inspection or further processing.

Advantages:

- ▶ Water-displacing protective oil film
- ▶ Meets MIL-C-16173 D Grade 5 requirements
- ▶ Suitable for ferrous and non-ferrous metals
- ▶ Easy application and uniform surface coverage
- ▶ Ideal for transport and storage protection

Application areas:



- ▶ Industrial metal parts during indoor storage
- ▶ Transportation components during shipment
- ▶ Mechanical assemblies and machine components
- ▶ Spare parts and equipment stored in covered conditions
- ▶ Metal surfaces requiring temporary corrosion protection

Product	Tectyl 511-M	Colour	Light Brown
Base Chemistry	Oil/Wax	Indoor Protection (months)	18
Carrier	Solvent	Outdoor Protection (months)	6
Application Method	Low Pressure Airspray	Packaging	PL 20L, KEG 59L, DR 200L



This Application Guide is intended as a general guideline only and is based on our current technical knowledge and experience. The information provided is believed to be accurate; however, it is given without warranty, express or implied, including any warranty of merchantability or fitness for a particular purpose. Actual application conditions, surface preparation, and environmental factors may vary and are beyond our control. Users are responsible for evaluating the suitability of the product and the application method for their specific requirements prior to use.



Advised application for Tectyl 511-M is a low pressure airspray application.

Tectyl™ 511-M

Applicator:

Low pressure airspray system

- ▶ A low pressure air spray gun mounted with a 1.2 mm nozzle.
- ▶ Pump ratio between: 1:1 till 3:1
- ▶ Pump material: normal carbon steel
- ▶ Packings: PE and/or PTFE
- ▶ Recommended spraying pressure: 4 - 6 bar
- ▶ Recommended air pressure: 4 - 6 bar
- ▶ Material hose diameter: ¼" at 7.5 meters
- ▶ Air hose diameter: ¼" at 7.5 meters
- ▶ Clean equipment after spraying: white spirit



Pump example:

If a pump is required our advice is a Graco low pressure air spray pump with a ratio of 1:1 till 3:1.

A good example is a Graco Fireball 1:1 or a Eagle 3:1.

Tectyl 511-M is also suited to be applied by all low pressure application equipment, like low pressure sprayguns, it is even possible to apply by brush, although it will be difficult to control the layer thickness in that situation.

Important:

- ▶ The metal surface should be clean, dry and free from dust, grease, and loose corrosion before application to ensure proper protection.
- ▶ Tectyl™ 511-M leaves a thin, oily protective film and is therefore not suitable for applications where a dry surface is required.
- ▶ If further processing such as painting, bonding or coating is required, the protective film should be removed with a suitable cleaner or degreasing agent.



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