Valvoline Performance Products – Tectyl

Version: **TE010/05**

Tectyl™ 5506W

Premium general purpose, corrosion preventive compound.

TECTYL 5506W is a waterborne, quick drying, general purpose polymer/ wax based corrosion preventive compound.

TECTYL 5506W is excellent for long term protection of metallic surfaces against corrosion in either indoor or outdoor exposure, like machinery, machine rolls/tools, dies, tubing, and spare parts.

TECTYL 5506W cures to a clear-amber colored, translucent firm and elastic film.

Approvals/Performance levels

Tectyl 5506W
Accelerated Corrosion tests: @ Average recommended DFT **Accelerated Corrosion tests:** Salt Spray; 5 % NaCl @ 35°C; ISO 9227 NSS (Q-Panels, Type R, ASTM A1008) **20+ days** Humidity; 100 % RH; @ 40°C; ISO 6270-2 CH (Q-Panels, Type R, ASTM A1008) **40+ days**
Resistance to cyclic corrosion conditions: DIN EN ISO 11997-1 Cycle B (former VDA 621-415): Exceeds 10 cycles* **Minimum equivalent corrosion protection performance to Tectyl 506, 506-EH as proven in cycling lab testing and field testing* ** Corrosion protection can be subject to variation dependent on the substrate to be protected. Tectyl has been evaluated on Low Carbon Cold Rolled Steel (Q Panels)*
Estimated Protection Period Indoor: 48 months Outdoor: 36 months

Applications

Surface Preparation:

The maximum performance of **TECTYL 5506W** can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale and a substrate temperature of 10-35 °C at the time of product application.

Direct contact of **TECTYL 5506W** with PVC can cause compatibility problems. Please test prior to use. Practical evaluation is preferred when planning to exchange solvent based corrosion preventatives by water based corrosion preventatives.

Application:

TECTYL 5506W is formulated to be used as supplied. DO NOT THIN **TECTYL 5506W**. DO NOT FREEZE **TECTYL 5506W** while curing. Tectyl 5506W can be applied by SST airless spray system or low pressure air spray.

Removal:

TECTYL 5506W in the wet phase can be removed with water. If the dried and cured film of **TECTYL 5506W** has to be removed, use Tectyl Biocleaner.

Features & Benefits

Superior Protection

At the recommended DFT, the water resistance provides extraordinary long protection against corrosion.

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.

Processing

Tectyl 5506W is a fast drying protective coating.

Environment

Tectyl 5506W is a water based compound with low Volatile Organic Compound Content (VOC's).

For more information on Tectyl products, programs and services please visit **www.tectyl-europe.com**

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 5506W	
Flash Point, PMCC [ºC]	> 100
Density @ 20°C [kg/ltr]	1,02
Recommended Dry Film Thickness over metal profile [microns]	> 50
Theoretical coverage @ recommended DFT [m²/ltr]	8
Non Volatile [weight %]	50
Viscosity; Brookfield @ 20°C (at time of manufacture) @ 20 RPM[mPa.s] [cP]	2000
pH @ 20°C	8,8
Dry to touch time @ 20°C [hours]	0,5
Cure time @ 20°C [hours]	24
Volatile Organic Compound Content ISO 11890-2 (10.4) [g/ltr]	54

This information only applies to products manufactured in the following location(s): Europe

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 or via the internet **http://sds.valvoline.com**

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

Storage
Tectyl 5506W should be stored at temperatures between +10°C / +35 °C. Mild agitation is recommended prior to use. Do not freeze! Due to its composition Tectyl 5506W can be subject to postproduction viscosity changes during storage. Under proper storage conditions Tectyl 5506W is best before 12 months after production date.

Caution
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 Typical Properties section. If a primer, other than a Valvoline recommended product is required, written authorization must be obtained from Valvoline.

Replaces – TE010/04

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