

Valvoline Performance Products – Tectyl

Version: TE040/02

Tectyl™ 846

Premium solvent based, corrosion preventive compound.

TECTYL 846 is a solvent cutback, wax base, general purpose, corrosion preventive compound.

TECTYL 846 meets the performance requirements of Military Specification MIL-C-16173D, Grade 4. and is excellent for long term protection of metallic surfaces against corrosion in either indoor or outdoor exposure and during domestic and international shipments, like machinery, machine rolls/tools, automatic parts, dies, tubing, and spare parts.

TECTYL 846 cures to a dark amber colored, waxy, translucent, firm film.

Approvals/Performance levels

Tectyl 846

Accelerated Corrosion tests:

@ Average recommended DFT

Salt Spray; 5 % NaCl @ 35°C; ISO 9227 NSS
(Q-Panels, Type R, ASTM A1008)

40+ days

Humidity; 100 % RH; @ 40°C; ISO 6270-2 CH
(Q-Panels, Type R, ASTM A1008)

100+ days

Estimated Protection Period

Indoor: 36 months

Outdoor: 18 months

Applications

Surface preparation:

The maximum performance of **TECTYL 846** 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.

Application:

TECTYL 846 is formulated to be used as supplied. Due to its composition **TECTYL 846** can be subject to postproduction viscosity changes and/or wax sedimentation.

Always ensure homogeneous consistency by agitation before use. If the product thickens due to cold storage or loss of solvent during use, thinning with Valvoline 150 is possible to get the desired consistency. Incorrect thinning will affect film build, dry time and potentially product performance.

Tectyl 846 can be applied by low pressure air spray or brush.

Removal:

TECTYL 846 can be removed with mineral spirits or any similar petroleum solvent, hot alkaline wash or low pressure steam. If dried and cured the film of **TECTYL 846** can also be removed with Tectyl Biocleaner.

Features & Benefits

Superior Protection

At the recommended DFT Tectyl 846 will protect against corrosion during storage, domestic and overseas transport.

Processing

Tectyl 846 is easy to apply and easy to remove, when no longer needed.

Economical

With a DFT of only 50 microns, Tectyl 846 can protect a big surface with just a little product.

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.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 846	
Flashpoint; PMCC [°C]	40
Density @ 20°C [kg/ltr]	0,87
Recommended Dry Film Thickness over metal profile [microns]	> 50
Theoretical coverage @ recommended DFT [m²/ltr]	9,2
Non Volatile [weight %]	52
Dry to touch time @ 20°C [hours]	2
Cure time @ 20°C [hours]	24
Volatile Organic Compound Content ISO 11890-2 (10.4) [g/ltr]	411

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

Storage

Tectyl 846 should be stored at temperatures between 10-35 °C. Mild agitation is recommended prior to use. Prevent cold temperature storage (below 5°C) for the best product consistency and viscosity of Tectyl 846. Due to its composition Tectyl 846 can be subject to postproduction viscosity changes during storage. Under proper storage conditions Tectyl 846 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 Typical Properties section. If a primer, other than a Valvoline recommended product is required, written authorization must be obtained from Valvoline.

Replaces – TE040/01

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