

Valvoline Performance Products – Tectyl

Version: TE023/04

## Tectyl™ 300G Clear E

### *Premium waterborne transparent corrosion preventive coating*

Tectyl 300G Clear E is a waterborne corrosion preventive coating. The cured film is hard, transparent and flexible.

Tectyl 300G Clear E provides an effective barrier against corrosive environments for ferrous and non-ferrous fabrications and industrial components.

#### Approvals/Performance levels

Tectyl 300G Clear E
<b>Weathering resistance:</b> 500 hours PASS [ASTM G-23]
<b>Accelerated Corrosion tests:</b> @ Average recommended DFT  <b>Accelerated Corrosion tests:</b> Salt Spray; 5 % NaCl @ 35°C; ISO 9227 NSS (5 x 10 x 0.6 cm Cold Rolled Steel panels) <b>At least 13 days</b>  Humidity; 100 % RH; @ 40°C; ISO 6270-2 CH (5 x 10 x 0.6 cm Cold Rolled Steel panels) <b>At least 21 days</b>
<b>Estimated Protection Period:</b>  Inside and covered storage: 36 months Outdoor: 12 months

#### Applications

##### Surface preparation

The maximum performance of Tectyl 300G Clear E can be achieved only when the metal surface to be protected are clean, dry and free of rust, oil and mill scale. Valvoline recommends that the metal substrate temperature be 10-35 °C at the time of product application.

##### Application

Tectyl 300G Clear E is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of water and coalescing during use, contact Valvoline. Do not thin Tectyl 300G Clear E. Incorrect thinning will affect film build, dry time and product performance.

Tectyl 300G Clear E can be airless spray or dip applied.

##### Removal

Tectyl 300G Clear E is not intended for removal. In the wet phase Tectyl 300G Clear E in the wet phase can be removed with water or Tectyl Biocleaner. If dried and cured the film cannot be removed.

#### Features & Benefits

##### **Excellent flexibility**

Due to its mechanical properties, the surface will be protected for a long period, even with a 180° Mandrell Bend.

##### **Overcoatable**

Tectyl 300G Clear E is overcoatable with top coat systems. Try on a small area first to ensure compatibility between Tectyl 300G Clear E and topcoat.

##### **End result**

Tectyl 300G Clear E leaves an excellent transparent result which makes the surface easy to inspect visually.

##### **Apply almost everywhere**

Because of the transparent, flexible coating, Tectyl 300G Clear E can be used almost everywhere.

### 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](http://www.tectyleurope.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.

<b>Tectyl 300G Clear E</b>	
<b>Flash Point, PMCC [°C]</b>	60
<b>Density @ 20°C [kg/ltr]</b>	1.02
<b>Recommended Dry Film Thickness over metal profile [microns]</b>	40 - 50
<b>Theoretical coverage @ recommended DFT [m<sup>2</sup>/ltr]</b>	6.3
<b>Non Volatile [weight %]</b>	27
<b>Viscosity; Brookfield @ 20°C</b>	
@ 2 RPM [mPa.s] [cP]	720
@ 20 RPM [mPa.s] [cP]	660
<b>Zahn Cup No.3 @ 20°C [sec]</b>	78
<b>DIN Cup No.4 @ 20°C [sec]</b>	114
<b>Dry to touch time @ 20°C [minutes]</b>	30 - 50
<b>Cure time @ 20°C [hours]</b>	24
<b>Volatile Organic Compound Content ISO 11890-2 (10.4) [g/ltr]</b>	392

**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 300G Clear E should be stored at temperatures between 10-35 °C. Do not freeze Tectyl 300G. Mild agitation is recommended prior to use. Packs with product should be protected from direct sunlight and heat. Due to its composition Tectyl 300G Clear E can be subject to postproduction viscosity changes during storage. Under proper storage conditions Tectyl 300G Clear E is best before 9 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

This product is over coatable. Try on a small area first. 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 Valvoline recommended product is required, written authorization must be obtained from Valvoline.

Replaces – **TE023/03**

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