



# New Teflon™ Corrosion Resistant Coating

The first truly water-based, low VOC, and easy-to-use coating offering outstanding corrosion resistance of up to 3,000 Salt Spray Hours.

## Product Overview

Teflon™ coatings have been improved to provide environmentally friendly coating systems that combat the most corrosive environments. One of the newest Teflon™ offerings is a truly water-based one coat system that provides excellent corrosion resistance.

These coatings are specifically designed for coating off shore, chemical processing, and water treatment fasteners on substrates such as carbon steel, stainless steel, and aluminum.

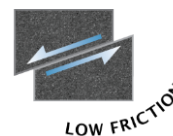


**3,000 Salt Spray Hours**

Photos Samples at 3,000 Salt Spray Hours conducted by Assured Testing Services. Coated by Southwestern Plating Company. Bolt Treatment: 0.3-0.5 mil zinc plating with 0.8-1.2 mil of 857G-018

## Performance & Properties

- Targeted for applications requiring outstanding **Corrosion Resistance, Anti-Galling, and Dry Lubrication**
- Excellent salt spray test results showing corrosion resistance even without surface pretreatment
- Corrosion resistance can be enhanced if used with recommended primers and substrate pretreatments
- **Low Coefficient of Friction** reduces required torque
- Excellent corrosion resistance to oil and gas fluids
- Excellent **Chemical Resistance**



## Features & Benefits

- Water-based system
- Low Volatile Organic Compounds (VOC) Emissions (less than 3 lbs/gal)
- Free of heavy metals
- Easy clean-up: No special solvents needed for clean up or thinning, only water

## Product Codes | Colors

- One Coat | 857G-508 | Red
- One Coat | 857G-018 | Blue
- One Coat | 857G-575 | Yellow
- One Coat | 857G-519 | Black

## Product Information

- **Availability:** Next day shipping by Intech
- **Ordering:** Online, fax, and phone
- **SDS & Fact Sheets:** Always accessible at [intechservices.com](http://intechservices.com)

Manufacturing Benefits	NEW Teflon™ Technology	Typical Fastener Coatings
VOC Emissions <sup>1</sup>	< 3.0 lbs/gal	2.84 - 5.2 lbs/gal
Water Clean Up	Yes	No
Flash Dry Temperature	302° F (150° C)	212° F (100° C)
Bake Schedule	450° F (232° C) X 15 min	400° F (204° C) X 15 min
Coefficient of Friction	0.05 - 0.22	0.05 - 0.10
Salt Spray Test <sup>2</sup>	1000 hrs	120 hrs
Salt Spray per SPIIC <sup>3</sup>	> 3000 hrs	> 1500 hrs
Wear Resistance (mg/kg Kcycles)	45-55	48.8
Hydraulic Fluid Exposure	90 days no change	N/A
UV Exposure <sup>4</sup>	10.42% loss	43.88% loss
Rig Wash Exposure (24 hours)	24 hrs no change	N/A
Kesternich DIN 50018	30 plus cycle w/ no change	30 cycle with no change

<sup>1</sup> VOC less exempt as calculated per US regulations

<sup>2</sup> ≤ 5% red rust. Substrate tested is carbon steel.

<sup>3</sup> ≤ 10% red rust. Fastener tested is carbon steel with .3 mils with zinc plate.

<sup>4</sup> 12 months simulated weathering. Tested per SAE J1960.

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