



# Teflon™ Solvent Based One-Coat

## Industrial Coatings

### 958G-303, 958G-313

## Fact Sheet

958G-303 and 958G-313 are one coat, solvent-based coatings specially formulated to provide a tough, durable film for dry lubrication, with excellent salt spray resistance. In addition, 958-313 has exceptionally good abrasion resistance..

### Property Data <sup>1</sup>

Product Code	958G-303	958G-313
Color	Black	Black
Coverage, <sup>2</sup> m <sup>2</sup> /kg (ft <sup>2</sup> /gal)	6.75 (277)	6.78 (280)
Viscosity, <sup>3</sup> centipoises	200 - 870	200 - 870
Volume Solids, %	15.5 – 17.5	15.8 – 17.8
Weight Solids, <sup>4</sup> %	23.0 – 26.0	23.5 – 26.5
Density, kg/l (lbs/gal)	1.06 (8.8)	1.07 (8.9)
VOC content, US lbs/gal	6.48	6.28
Maximum In-Use Temperature, °C (°F)	260 (500)	260 (500)
Flash Point, SETA closed cup, °C (°F)	29 (84)	34 (93)

<sup>1</sup>Physical constants are averages only and are not to be used as product specifications. They may vary up to ±5% of the values shown

<sup>2</sup>Theoretical coverage at dry film thickness (DFT) of 1.0 mils (25µ) based on 100% application efficiency. It does not take normal production losses into account

<sup>3</sup>Brookfield RVT (Measured with spindle 3 at 20 RPM/25°C)

<sup>4</sup>Weight Solids (Measured 30'x105°C+15'x380°C)

### Application Method

Substrate	Carbon steel, stainless steel, aluminum, except high copper containing alloys
Surface Preparation	For aluminum, stainless steel, and carbon steel: 1. Clean (vapor degrease, prebake, or other) 2. Lightly grit-blast with aluminum oxide For carbon steel, a zinc or manganese phosphate conversion coating should be applied after grit-blast These products also adhere well to most hard anodized aluminum surfaces
Application	1. Bring coating to room temperature. Shake or agitate (shake product on paint shaker for 15 minutes) to reincorporate any settled material 2. Product is supplied ready-to-spray. If thinning is desired, add a small amount of TN-8718 with steady mixing. If faster evaporation is needed use TN-8595 with care. This thinner must be added slowly with constant stirring. 3. Use conventional industrial spray equipment 4. Recommended film thickness is 15–20 µm (0.6–0.8 mil). The heavier film build will improve salt spray corrosion resistance
Baking	<b>Note:</b> All temperatures refer to metal temperature. 1. Flash or force dry for 5 min 2. Recommended bake for 15 min at 343 °C (650 °F). These products can be cured at temperatures as low as 177 °C (350 °F) by extending the cure time. However, the toughness and durability of the coating decreases as the cure temperature is reduced below 343 °C (650 °F) The color will change at the higher bakes to a brown cast, but performance will not be affected.

\* Dry Film Thickness (DFT) measured with Dual probe ED10 or FD10 used in combination with the Dualscope MP20 or MP40 E-S

All recommendations are based upon best knowledge

### Handling and Storage

- Warm containers to room temperature and roll completely before use
- Storage life is 18 months at room temperature.(18-27°C)
- Roll for 30 minutes at 30 RPM once per month

For medical application and development, consult Chemours.

### Food Contact

958G-303 and 958G-313 do not comply with FDA regulations governing components of coatings for food contact.

### Disposal and Other Considerations

Please follow the guidelines as outlined by [SPI](#) (The Society of the Plastics Industry) or [APME](#) (Association of Plastics Manufacturers Europe). For detailed information on health and safety, refer to the Safety Data Sheet.

For disposal, please follow these guidelines:

- All treatment, storage, transportation, and disposal of this product and/or container must be in accordance with ap-

plicable national and local regulations.

- Do not discharge aqueous dispersions to lakes, streams or waterways.
- Separate solids from liquid by precipitation and decanting or filtering. Dispose of dry solids in a landfill that is permitted, licensed or registered to manage industrial solid waste. Discharge liquid filtrate to a wastewater treatment system.
- Incinerate only if incinerator operates at 800°C or higher and is capable of scrubbing out hydrogen fluoride and other acidic combustion products.
- Industrial fluoropolymer waste containing additives such as solvents, primers or thinners must be regarded as special waste. Companies should contact their local waste disposal authorities for details of the relevant waste disposal regulations.
- Empty containers should preferably be cleaned and recycled. If this is not possible, the containers should be punctured or otherwise destroyed before disposal.

**For more information on Chemours Nonstick coatings: [www.chemours.com](http://www.chemours.com) or [www.teflon.com](http://www.teflon.com)**

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