



# Teflon™ Non-Conductive Primer Blue

## Industrial Coatings

855G-021

### Fact Sheet

855G-021 Primer Blue coating is based on FEP/PTFE blend technology and is used extensively for Industrial applications because of its outstanding durability.

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

Product Code	Primer 855G-021
Color	Blue
Coverage, <sup>2</sup> m <sup>2</sup> /kg (m <sup>2</sup> /L) (ft <sup>2</sup> /gal)	4.74 (220)
Coverage at DFT, <sup>3</sup> m <sup>2</sup> / kg (ft <sup>2</sup> /gal)	125 - 325
Viscosity, centipoises	100 - 300
Volume Solids, %	12.5 - 14.5
Weight Solids, %	22.7 - 25.7
Density, kg/l (lbs/gal)	1.14 (9.51)
Shipping Class	+200L
Maximum In-Use Temperature, °C (°F)	260 (500)
Flash Point, SETA closed cup, °C (°F)	None

<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 (25µm) based on 100% application efficiency. It does not take normal production losses into account

<sup>3</sup>Brookfield RVT (Measured with spindle 2 at 20 RPM/25°C)

#### Application Method:

Surface Preparation	<p>The aluminium or steel part surface must be perfectly clean. The surface of the part MUST be clean, or cratering (fisheyes) can be encountered during spray application. Unclean surfaces can also result in poor adhesion of the final film. For rolled or cast aluminium, clean the surface then aggressively wash to achieve 15 micro inches minimum.</p> <p>The Primer should be applied immediately after cleaning, or the parts must be stored in a dust-free container. Avoid exposure to air currents that can carry machine oils or other airborne contaminants. Use clean gloves when handling the parts. Fingerprints will cause cratering and adhesion problems</p>
Coating Preparation and Application	<p>In general, however, these primers should be applied so that the wet coating uniformly and fully covers the part surface. After air drying, the film should be uniform in appearance, and still just completely hide the part surface. Do not apply the primer too thick.</p> <ol style="list-style-type: none"><li>1. Bring coating to room temperature. Roll gently but thoroughly until contents are homogeneous.</li><li>2. Strain through 100 mesh (approx. 150 µ) stainless steel screen.</li><li>3. Air dry or force dry the primer before applying the midcoats/topcoats. Primer DFT, 8 to 10 microns (0.3 to 0.4 mil)</li></ol> <p>Note: All temperatures refer to metal temperature.</p>
Clean up	Water

\* Dry Film Thickness. Measured with Dual probe ED10 used in combination with the Dualscope MP20 and MP40 E-S

All recommendations are based upon best knowledge



## Handling and Storage

- The coating may be stored at normal room temperature 65°F - 80°F (18°C -27°C) for at least 12 months.
- Waterbased product, protect from freezing.
- Roll or agitate once a month.
- For medical application and development, consult Chemours..

## Food Contact

855G-021 in combination with the food contact compliant layer(s) of the coating system, is designed to be used in direct contact with food. Applied according to the application method and instructions on this fact sheet and the fact sheets for topcoats, the fully cured coating system will comply with US FDA food contact regulations and can be sold and/or used for food contact applications for non-stick coatings in Europe following the national legislations of each European country, having specific regulations for this category of coatings (non-stick, high temperature resistant). Certain primer/topcoat combinations may have limitations in some countries. Any changes or variations in primer/topcoat combinations and/or individual coating thickness from what is indicated in this fact sheet should be assessed for food contact applications prior to its use. For details and information please contact your Chemours representative.

## Disposal and Other Considerations

Please follow these guidelines as outlined in the "Safety Handling Guidelines for Fluoropolymers."

- For disposal, please follow these guidelines:
- All treatment, storage, transportation, and disposal of this product and/or container must be in accordance with applicable 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.

\* A copy of the "Safety Handling Guidelines for Fluoropolymers" is available from Chemours request.

**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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