Pruett-Schaffer’s 19-Series coatings are single component, air-drying, solvent-based epoxy esters. Epoxy Esters are not as chemical resistant as 2 component epoxies but are more chemically resistant than alkyds. They exhibit good chemical and water resistance, rust and heat resistance, and are very good for use as zinc filled weldable primers. They can be formulated with or without corrosion inhibitors for use in direct-to-metal or topcoat applications. Epoxy ester coatings chalk on exterior application much like 2 component epoxies do.

**Recommendations**

The paints are recommended for use on metal or masonry substrates exposed to mild to moderate chemicals and industrial conditions. They are much more resistant to moisture & alkaline conditions & have better abrasion resistance when compared to alkyd enamels. They should not be used for immersion service. Because they chalk they are not normally recommended for exterior exposure.

**Surface Preparation**

For severe service, metal substrates should be blasted and primed. Existing paints should be deglossed by brush blasting or sanding; if the surface is chalky or extremely dirty, power wash it first and allow to dry. Feather sharp metal edges by grinding or sanding.

**Environmental**

These products meet current air pollution regulations regarding hydrocarbon and ozone reactive emissions. They are VOC compliant for architectural and maintenance use and for most industry, contain no chromate, and comply with current federal regulations regarding the use of lead in paint.

**Physical Parameters**

**VOC, ASTM D-3960:**
2.9-3.5 lb/gal

**Weight per Gallon, ASTM D-1475:**
8.8 - 22.0 (Zinc Rich Primer) lbs

**Nonvolatile:**
By weight: 60-80%
By volume: 48-56%

**Theoretical Coverage:**
770 - 890 ft²/gallon/mil, dry film

**Initial Gloss, 60°, ASTM D-523:**
85-90 in full gloss, available in semi-gloss or primer

**Viscosity:**
65-70 Krebs Units in spray version
80 Krebs Units in brush version
100-120 Krebs Units for Zinc Rich Primer

**Flash Point:** 100 deg F