



Pruett-Schaffer
Coatings for a Green World
412-771-2000

www.pruett-schaffer.com

PRODUCT NUMBER **PRODUCT NAME**
19-SERIES **EPOXY-ESTER COATINGS**

GENERAL DESCRIPTION

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.

THINNING

Under normal conditions no thinning is necessary. If desired, thin with xylol or mineral spirits. Add a little at a time with constant gentle agitation to a maximum of 5% by volume.

APPLICATION EQUIPMENT

Normal application is by brush or roller but conventional spray equipment is the preferred method and will result in the best appearing finish. Typical recommended dry film build is 2-3 mils when applied over primer.

DRYING TIMES & TEMPERATURES

Air dries tack free in 2-4 hr air-dry at 77 °F. Dry to handle overnight. Force dry ovens may be used, allow 20 minutes flashoff time.

CLEANUP

Cleans up easily with xylol or mineral spirits before the paint dries.

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

THIS INFORMATION RESULTS FROM TESTS CONDUCTED IN A LABORATORY UNDER LABORATORY CONDITIONS. DIFFERENT RESULTS MAY BE OBTAINED IN COMMERCIAL USE OF THIS PRODUCT UNDER FACTORY OR FIELD CONDITIONS. PRUETT-SCHAFFER MAKES NO WARRANTY CONCERNING THE SUITABILITY OF THIS PRODUCT FOR THE END USE CONTEMPLATED BY THE BUYER, EXCEPT THAT THE PRODUCT SHALL BE IN COMPLIANCE WITH THE TECHNICAL SPECIFICATIONS PRESENTED HEREIN.

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