



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

[www.pruett-schaffer.com](http://www.pruett-schaffer.com)

**PRODUCT NUMBER**      **PRODUCT NAME**  
**20-SERIES**              **ZERO VOC WATER BASED ACRYLIC PRIMERS**

**GENERAL DESCRIPTION**

Pruett-Schaffer's 20-Series coatings are single component, water based acrylic emulsion polymers that are designed to be used as air drying, rust preventative metal primer paints or low gloss topcoats. They have excellent exterior durability, exhibit very good flexibility and adhesion to a variety of substrates, including existing coatings, masonry, galvanized steel, and even untreated aluminum. Although not recommended for solvent resistance, they are chemical and water-resistant. In addition, they are tolerant of less than perfect surface preparation, offering substantial savings in preparation costs. 20-Series coatings are available in a variety of colors.

These paints are high in solids for a water based product, permitting a thicker dry film build over hard to protect sharp edges. Best of all, they contain NO VOC, resulting in reduced toxic vapors and hard to dispose of listed hazardous wastes in the workplace.

**SURFACE PREPARATION**

For severe service, metal substrates should be blasted to SSPC-SP-6 commercial blast, with a 0.5-1 mil profile. However, this coating is very tolerant of less than perfect surface preparation, and hand or power tool cleaning may be sufficient in many situations. Glossy alkyd paints should be deglossed by brush blasting or sanding; if the surface is

chalky or extremely dirty, power wash first and allow to dry.

**THINNING**

Under normal conditions no thinning is necessary. If desired, thin with water, do not use organic solvents. Add a little at a time with constant gentle agitation to a maximum of 5% by volume.

**APPLICATION EQUIPMENT**

Airless spray equipment is the preferred method of application and will result in the best appearing finish. They may be applied by brush or roller of 3/8-inch nap or less. Touch up by brush or tie in sprayed areas within 10 minutes for best results. Use .015-.017 inch spray tip size. Typical recommended dry film build per coat is between 1.5 and 3 mils when sprayed.

**DRYING TIMES & TEMPERATURES**

Dries to recoat in 1-1.5 hours at 77 °F and 50% relative humidity. High humidity will prolong dry time more so than low temperatures. Good air movement over the work area or local exhaust is recommended. Heat lamps are not recommended; they may cause surface curing and trap solvent within the film, which may cause water sensitivity problems.

**CLEANUP**

These products clean up easily with soap and water while wet, but are difficult to

remove when dry. Organic hydrocarbon or ketone solvents are not recommended for general cleanup but will soften the film so that it can be physically removed.

**ENVIRONMENTAL**

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

**PHYSICAL PARAMETERS**

**VOC, ASTM D-3960:** 0.0

**WEIGHT PER GALLON:** Varies by Color

**NONVOLATILE:**  
By weight: 48-67%  
By volume: 37-57%

**THEORETICAL COVERAGE:**  
600 -800 ft<sup>2</sup>/gallon/mil, dry film

**INITIAL GLOSS, 60°, ASTM D-523:** 5-20

**VISCOSITY, ASTM D-562:**  
80-90 Krebs Units

**IMPACT, ASTM D-2794:**  
Direct >120, Reverse >120

**FLASH POINT:** Greater than 141 °F

**ANTISAG INDEX ASTM D-4400:** > 13 MILS

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.

REVISED 11-01-2000