



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

www.pruett-schaffer.com

**PRODUCT NUMBER**      **PRODUCT NAME**  
**24-SERIES**      **WATER BASE DIRECT -TO- METAL ACRYLIC PAINTS**

### GENERAL DESCRIPTION

Pruett-Schaffer's 24-Series coatings are single component, water based acrylic emulsion polymers. They are designed to be used as spray applied, direct to metal, high or medium gloss topcoats over metal substrates. They exhibit excellent exterior durability, very good flexibility and good 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.

24-Series coatings can be formulated with or without corrosion inhibitors for use in topcoat or direct-to-metal application. These paints are high in solids, permitting a thicker dry film build over hard to protect sharp edges. Best of all, they contain very low VOC, resulting in reduced toxic or flammable solvent vapors and hard to dispose of listed hazardous wastes in the workplace. They are available in a variety of colors and glosses.

### SURFACE PREPARATION

For severe service, metal substrates should be blasted to SSPC-SP-6 minimum, with a 0.5-1 mil profile. However, this coating is 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 with 3/8-inch nap or less.. Use .015-.020 inch spray tip size. Do not apply with a cup type spray gun. Typical recommended dry film build per coat is between 3 and 5 mils.

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

### PHYSICAL PARAMETERS

#### VOC, ASTM D-3960:

0.8-1.70 lb./gal mixed system typical

**WEIGHT PER GALLON:** Varies by Color

#### NONVOLATILE:

By weight: 47-52%

By volume: 41-47%

#### THEORETICAL COVERAGE:

660 -750 ft<sup>2</sup>/gallon/mil, dry film

**INITIAL GLOSS, 60°, ASTM D-523: 75 min typical**

#### 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.

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