



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

www.pruett-schaffer.com

**PRODUCT NUMBER**      **PRODUCT NAME**  
**28-SERIES**              **WATER BASED ALKYD ENAMELS**

**GENERAL DESCRIPTION**

Pruett-Schaffer's 28-Series coatings are fast drying, economical, single component, water reducible alkyd paints that are designed for use as high or medium gloss topcoats. They exhibit good exterior durability, and water and rust resistance. They can be formulated in medium or high gloss, with or without non-toxic corrosion inhibitors. They may be formulated for use as direct-to-metal or topcoat applications for dip-tank or spray application. They are available in a complete range of colors.

Similar to solvent-based alkyds, they have good application characteristics and are very tolerant of less than perfect surface preparation, offering substantial savings in preparation costs. The 28-Series paints will adhere well to a wide variety of substrates, including steel, galvanized steel, iron, aluminum, and properly prepared previously painted surfaces. These coatings may be used over damp, but not wet, surfaces.

They are relatively low in film forming solids which allows for better control of final film thickness. They contain low levels of volatile organic content, resulting in reduced toxic solvent vapors and hard-to-dispose of listed hazardous wastes in the workplace.

**SURFACE PREPARATION**

For severe service, metal substrates

should be blasted; assure that at least 1 mil of dry paint covers the high points of profile. Hand or power tool cleaning or chemical cleaning may be sufficient for many situations. Glossy 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 an 80/20 mixture of water/butyl cellosolve, do not use organic solvents. Add a little at a time with constant gentle agitation to a maximum of 5% by volume.

**APPLICATION EQUIPMENT**

Conventional spray equipment is the preferred method of application and will result in the best appearing finish. Typical recommended dry film build is between 1 and 3 mils. They may also be applied by brush or roller. Dip tank application gives good results with properly formulated 28-Series products.

**DRYING TIMES & TEMPERATURES**

Air dries tack free in 30-45 minutes at 77 °F and 50% relative humidity. Dry to handle overnight. High humidity will prolong dry time more so than low temperatures. Good air movement over the work area or local exhaust is recommended, and heat lamps may be useful in cool shops. Force dry ovens may be used to speed the paint line.

**CLEANUP**

Cleans up easily with soap and water before paint dries hard. Organic hydrocarbon solvents are not recommended for general cleanup but will remove the coating before it oxidizes.

**ENVIRONMENTAL**

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

**PHYSICAL PARAMETERS**

**VOC, ASTM D-3960:**

2.5-3.2 lb./gal mixed system typical

**WEIGHT PER GALLON: ASTM D-1475:**

8.1 - 8.5 LBS

**NONVOLATILE:**

By weight: 32-43%

By volume: 23-29%

**THEORETICAL COVERAGE:**

370 -470 ft<sup>2</sup>/gallon/mil, dry film

**INITIAL GLOSS, 60°, ASTM D-523:**

30-90, as desired

**VISCOSITY:** Varies with application

method,

**FLASH POINT:** Greater than 100 °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.

REVISED 05-22-2000