



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

www.pruett-schaffer.com

**PRODUCT NUMBER      PRODUCT NAME**  
**70 & 75 SERIES      HEAT RESISTANT PAINTS**

Pruett-Schaffer 70- and 75 Series heat resistant paints are available in many formulations for general use and specialty applications. Some characteristics of the two most commonly used classes are summarized below. Individual product data sheets should be referenced for specific information.

**LOW TEMPERATURE PAINTS, 250-500 °F**

Pruett-Schaffer's 70-Series paints are silicone alkyd vehicles modified with pure silicone resin for corrosion prevention of ferrous metals in dry, continuous, or cycling temperatures of 250-500 °F. They are available in flat black, white, various grays, brown, and in a zinc rich version for enhanced corrosion protection.

**RECOMMENDATIONS**

70-Series provide good corrosion protection with minimum color shift when applied over ferrous metals exposed to low-to-medium temperatures in normal industrial or household environments. They are used direct-to-metal or over heat resisting primers, dry rapidly without a curing schedule, are easy to apply, but do require good surface preparation for acceptable performance.

**HIGH TEMPERATURE PAINTS, 500-1200 °F**

Pruett-Schaffer's 75-Series paints are formulated with either modified or pure silicone resin vehicles for long term corrosion prevention of ferrous metals exposed to wet or dry temperatures in excess of 500 °F. Product #75-13173 is our highest performance coating and will withstand thermally induced shock such as rain or steam at continuous or cycling temperatures up to 1200 °F. #75-9422 is an economical modified silicone that has heat resistance to 1200 F but is NOT thermally shock resistant. They are available in aluminum, gray, and black pigmented versions only.

**RECOMMENDATIONS**

These coatings are used direct-to-metal or over heat resisting primers, are easy to apply, but do require good surface preparation and a curing schedule must be followed for maximum heat resistance. They are used on ovens, furnaces, stacks, exhaust systems, steam pipes, etc.

Typical specifications	75-13173 Aluminum	75-9422 Aluminum	Modified Alkyds
VOC, lb./gallon	5.7	6.0	3.2-4.0
Non-Volatile % by weight	33.2	25.1	61-80
Non-Volatile % by volume	19.1	16.0	39-56
Theoretical coverage, ft <sup>2</sup> /gal/mil, dry	307	257	630-900
Packaged Viscosity	64-74 Krebs units	20-25 sec #2 Zahn cup	65-75 Krebs units
Dry to water resistance or recoat, hours	1 hr cure at 400 °F	1 hr cure at 400 °F	1-2 hour air dry
Recommended dry film thickness, mil	0.5-0.7	0.6-0.8	1-2
Temperature resistance, °F	450-1200	450-1200	250-500
Cycling (C) or Non Cycling (N)	C	N	C

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