



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

www.pruett-schaffer.com

PRODUCT NUMBER **PRODUCT NAME**
32-SERIES **SILICONE ALKYD COATINGS**

GENERAL DESCRIPTION

Pruett-Schaffer's 32-Series coatings are single component, air-drying, solvent-based silicone modified alkyds. Silicone alkyds are the premium alkyd to use as maintenance topcoats over metal substrates. They exhibit good chemical and water resistance, excellent exterior durability, rust and heat resistance, and are among the best for gloss and color retention of all the alkyds. They can be formulated with or without corrosion inhibitors for use in direct-to-metal or topcoat applications. These coatings are available in medium or high gloss. Most are modified with long oil alkyd for better brush or roller applications, and come in a complete range of colors. These coatings come in both 15 and 30% silicone modification.

RECOMMENDATIONS

The paints are recommended for use on metal or masonry substrates exposed to normal atmospheric and industrial conditions. Their excellent color and gloss retention in weather and sunlight results in a 50% increase in service life compared to ordinary alkyds. These paints resist chalking and fading, and their ability to look good longer results in a very cost-effective coating for areas in the public eye and where it is difficult or costly to repaint.

These paints are also quite heat resistant compared to alkyds (450 °F vs. 250 °F), and can therefore be used on motors, machinery, and pipes where normal alkyds would "burn off" over time.

Long oil modification make these paints suitable for use on wood.

They should not be used for immersion service. Their higher costs makes them unsuitable for interior use, where their weathering qualities are not needed.

SURFACE PREPARATION

For severe service, metal substrates should be blasted and primed (recommended primer is any Pruet-Schaffer 30 Series Primer. 30-4 Silicone Primer should be used for heat resisting applications). However, this coating is very tolerant of less than perfect surface preparation, and hand or power tool cleaning or chemical cleaning may be sufficient in many situations. 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 - 9.8 LBS

NONVOLATILE:
By weight: 60-69%
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

VISCOSITY:
65-70 Krebs Units in spray version
80 Krebs Units in brush version

FLASH POINT: 81°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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