



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

www.pruett-schaffer.com

PRODUCT NUMBER **PRODUCT NAME**

68-SERIES ACRYLIC POLYURETHANE 2-COMPONENT

GENERAL DESCRIPTION

Pruett-Schaffer's 68-series coatings are dual component, solvent based, acrylic polyurethanes. They are designed as spray applied, air drying, high gloss topcoats for use over primed metal substrates. These coatings are formulated with high performance aliphatic polyisocyanates and acrylic components that are designed for good water, oil, chemical, and salt spray resistance. They exhibit good substrate adhesion and flexibility characteristics and superior resistance to cracking, checking and exterior weathering due to UV light. These coatings contain no toxic lead or chromates, are VOC compliant, and are available in a variety of colors.

RECOMMENDATIONS

These coatings are recommended for use in areas where chemical splash or fumes creates a corrosive environment in which it is difficult or expensive to repaint. They have been specially formulated to maintain superior gloss and color retention in most moderate-to-severe exposures. They have been formulated with a special additive that results in improved slip, mar, and abrasion resistance.

SURFACE PREPARATION

For severe service, metal substrates should be blasted to SSPC-SP-10 white metal blast, then primed with a 13- or 14-series Epoxy Mastic or an Inorganic Zinc Primer. Surfaces should be clean, dry, and at room temperate before coating. NOTE: If applying over galvanized metal, all quenching oil and grease must be

removed by solvent or water/detergent cleaning. If possible, the galvanizer should be told that the material is going to be painted and should not be oil quenched. Weathered galvanized metal must be cleaned of rust and oxidation products ("white rust") by sweep blasting. Do not employ chromate pre-treatments.

THINNING

May be thinned with xylol, but these paints are shipped ready to use and normally need no thinning. Over thinning may cause curtaining or sagging .

APPLICATION EQUIPMENT

These coatings should be applied by conventional spray equipment to obtain the best appearing finish; they may be touched up by brush (tie in within 10 minutes) but this may produce a color mismatch. Use .015 to .017 inch spray tip size. Typical recommended dry film build per coat is between 1 and 2 mils. Coatings thicker than 3 mils may bubble or display other defects.

POT LIFE

6-8 hours at 75 °F, 4 hours at 90 °F in 5-gallon mixing lots. No induction time.

CURING TIMES & TEMPERATURES

Dries tack free in 1.5 to 2 hours at 75 °F and 50% relative humidity. Dry to handle and re-coat in 24 hours, do not re-coat after 48 hours without brush blasting the re-coat areas or loss of inter-coat adhesion may occur. Allow 7-10 days cure before placing into severe service.

CLEAN UP

Clean up with xylol, toluol, or MEK before the coating dries.

ENVIRONMENTAL

This product meets current air pollution regulations regarding hydrocarbon and ozone reactive emissions. It is VOC compliant for the architectural maintenance industry, and contains no lead or chromate.

PHYSICAL PARAMETERS

VOC, ASTM D-3960:

3.0-3.35 lb/gal mixed

Mix Ratio:

4 parts "A" to 1/2 part "B" Hardener by volume

WEIGHT PER GALLON, ASTM D-1475:

8.3-10.3 LBS mixed

NONVOLATILE:

By weight: 57-71%

By volume: 48-56%

THEORETICAL COVERAGE:

765-902 ft²/gallon/mil, dry film

VISCOSITY:

60-70 KU mixed

Gloss, 60 degree, ASTM D-523:

>90

FLASH POINT: 81 °F

Salt Spray Resistance:

>96 hours, no rusting

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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