



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

www.pruett-schaffer.com

PRODUCT NUMBER **PRODUCT NAME**
66-SERIES **POLYURETHANE, 2-COMPONENT**

GENERAL DESCRIPTION

Pruett-Schaffer's 66-series coatings are two component, solvent based polyurethanes, and are designed as air drying, high gloss, topcoats for use over primed metal substrates. These coatings are formulated with aliphatic polyisocyanates and polyester/acrylic components that exhibit good water, oil, chemical, and salt spray resistance. They also have good substrate adhesion and flexibility characteristics and superior resistance to cracking, checking, and exterior weathering due to UV light. These coatings are VOC compliant and are available in a variety of colors.

RECOMMENDATIONS

The coatings are recommended for use in areas where chemical splash or fume creates a corrosive environment in which it is difficult or expensive to repaint. They are not recommended for full immersion service, but will maintain superior gloss and color retention in most mild-to-moderate exposures. These coatings 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 temperature before coating. NOTE: If applying over galvanized metal, all quenching oil and grease must

be removed by solvent or chemical 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

Apply by brush, roller or regular 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 1 - 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 recoat in 24 hours, do not recoat after 48 hours without brush blasting recoat areas or loss of intercoat adhesion may occur. Allow 7-10 days cure before placing into severe service.

CLEANUP

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

ENVIRONMENTAL

These products meet current air pollution regulations regarding hydrocarbon and ozone reactive emissions. They contain no zinc or chromate and comply with current federal regulations regarding the use of lead in paint.

PHYSICAL PARAMETERS

VOC, ASTM D-3960:
3.5 lb/gal mixed

Mix Ratio:
4 parts "A" to 1 part "B" Hardener by Volume

WEIGHT PER GALLON, ASTM D-1475:
9.2 LBS mixed

NONVOLATILE:
By weight: 65%
By volume: 50%

THEORETICAL COVERAGE:
800 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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