



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

www.pruett-schaffer.com

**PRODUCT NUMBER      PRODUCT NAME**  
**16-SERIES              EPOXY TOPCOATS, 2-COMPONENT**

**GENERAL DESCRIPTION**

Pruett-Schaffer's 16-Series coatings are solvent based, two component epoxy topcoats. They are designed to be spray applied, high gloss finish coats. Apply over various primers, previously painted surfaces or direct to metal. These coatings are formulated with high performance epoxy components and are designed for fast dry to handle times, extended pot life, good adhesion over a variety of substrates, and high corrosion resistance. They are high in solids allowing a thicker wet film to be applied without sags over hard to protect edges and complex geometric shapes. 16-Series coatings are available in non-fading lighter colors and white but don't have low temperature cure capability like the 15-Series, which are available in a variety of darker colors.

**RECOMMENDED USES**

16 Series coatings are recommended for use in areas where chemical splash, fume, mist, or vapor creates a corrosive environment in which it is difficult or expensive to repaint. They will resist chemicals, solvents, dilute acids or alkalis, water, oils, and most salts. They work well with 10-Series epoxy primers, or may be applied direct to metal, depending on the application.

**SURFACE PREPARATION**

For severe service, metal substrates should be blasted to SSPC-SP-10 white metal blast, then primed with a 10-Series Epoxy Primer or an Inorganic Zinc Primer.

An SSPC-SP-6 commercial blast may be sufficient for many repainting jobs and DTM applications with less severe requirements. Degreasing, brush blasting, power washing, or a combination of these may be used for repainting jobs where the existing paint is tightly adhering and no corrosion is present.

**MIXING INSTRUCTIONS**

Mix 4 parts by volume A component with 1 part 16-B Hardener. Box and mix at slow speed to avoid entraining air into the paint. Use at once, there is no induction time. Do not reuse previously used mixing containers; partially cured material will greatly accelerate the cure of the freshly mixed paint resulting in dramatically reduced pot life. Clean mixing blade after each use.

**THINNING**

Under normal conditions no thinning is necessary. If desired, thin with xylol. Add a little at a time with constant gentle agitation to a maximum of 5% by volume.

**APPLICATION EQUIPMENT**

Although designed for use in regular spray equipment, they may be applied by brush or roller if necessary. Touch up by brush or tie in sprayed areas within 10 minutes for best results. Use .015-.017 inch spray tip size. Typical recommended dry film build per coat is between 2 and 4 mils when sprayed.

**CURING TIMES & TEMPERATURES**

Cures set-to-touch in 1-3 hours at 75 °F. Recoat before 48 hours curing time or

reduced adhesion may result Allow 7-10 days cure minimum at 75 °F before placing into severe service.

**POT LIFE**

Mixed in 5-gallon lots: 6-8 hours at 70 °F; 1-2 hours at 90 °F. There is no induction time, except in areas of very high humidity where an induction time of 20-30 minutes is advised to avoid blushing of the cured film. Pot life will shorten if cold weather accelerator is added.

**CLEANUP**

Clean equipment with Xylol, MEK, or toluol before the film cures.

**ENVIRONMENTAL**

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

**PHYSICAL PARAMETERS**

**VOC, ASTM D-3960:**  
3.1-3.3 lb./gal mixed system typical  
**WEIGHT PER GALLON, ASTM D-1475:**  
9.1-10.2 lbs. mixed system typical  
**NONVOLATILE, mixed system:**  
By weight: 64-69%  
By volume: 54-57%  
**THEORETICAL COVERAGE:**  
860-910 ft<sup>2</sup>/gallon/mil, dry film  
**INITIAL GLOSS, 60°, ASTM D-523:** 75 min.  
**VISCOSITY, mixed system, ASTM D-562:**  
63-73 Krebs Units  
**FLASH POINT, TAG CC:** 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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