



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

www.pruett-schaffer.com

**PRODUCT NUMBER**      **PRODUCT NAME**  
**14-SERIES**              **HIGH BUILD EPOXY COATINGS, 2-COMPONENT SYSTEM**

**GENERAL DESCRIPTION**

Pruett-Schaffer's 14-Series coatings are solvent based, two component epoxy mastic coatings. Apply by brush, roller, or spray over various primers, previously painted surfaces, or direct-to-metal. These coatings are formulated with high performance epoxy resins that are designed for flexibility, excellent adhesion over a wide variety of substrates, high build, and excellent corrosion resistance. They are slower to cure which makes for easier application in the field. Mastics are very high in solids, which allow a much thicker film to be applied without sags over hard to protect edges and complex geometric shapes. These coatings are lead and chromate free, are very low in VOC, and are available in a variety of colors. Dries to a semi-gloss finish.

**RECOMMENDED USES**

14-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 exhibit long term resistance to solvents, dilute acids and alkalis, water, oils, and most salts. Mastics have excellent adhesion and can be used as repair paints where minimum surface preparation is necessary, and as lead paint encapsulation coatings. They may be used over 10-Series epoxy primers for heavy duty maintenance use, as well as over 20-Series water base acrylic primers; and may be topcoated with 65- and 66-Series urethanes or 24- and 25-Series acrylic topcoats, depending on the application.

**SURFACE PREPARATION**

These products were developed for use over marginally prepared surfaces. Hand or power tool cleaning or degreasing followed by power washing is normally sufficient for most applications. 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 most DTM applications.

**MIXING AND POTLIFE**

For hardener component selection see Table below.

<b>Air or substrate Temperature, °F</b>	<b>Hardener</b>
> 55	14-B
55 - 40	14-B with Accelerator or 14-W
< 40	14-W or 14-W with Accelerator

Mix 4 parts by volume #14-A component with 1 part 14-B or 14-W Winter Hardener. Use immediately, there is no induction time. Pot life when mixed in 5-gallon lots: 6-8 hours at 77 °F; 2 hours at 90 °F. Pot life will shorten markedly if cold weather accelerator is added. 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.

**APPLICATION EQUIPMENT**

Mastics may be applied by brush, roller, or air assisted or airless spray equipment; 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 4 and 8 mils when sprayed. Cleanup with xylol.

**CURING TIMES & TEMPERATURES**

Cures set-to-touch in 4-5 hours at 77 °F; 2 hr at 90 °F, 24-48 hr at < 40 °F. Recoat or topcoat within 8 hours to 10 days @ 77 F or reduced adhesion of the second coat may result. Light sanding is recommended if a second coat is applied after 10 days. Allow 7-10 days cure at 70 °F before placing into severe service, longer if ambient temperature is lower than 40 °F.

**ENVIRONMENTAL**

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

**PHYSICAL PARAMETERS**

**VOC, ASTM D-3960:**  
1.46-1.55 lb./gal mixed system, typical  
**WEIGHT PER GALLON, ASTM D-1475:**  
11.2-12.3 lbs. mixed system, typical  
**NONVOLATILE, mixed system:**  
By weight: 86.1-87.5%  
By volume: 78.1-79.3%  
**THEORETICAL COVERAGE:**  
1253-1272 ft<sup>2</sup>/gallon/mil, dry film  
**INITIAL GLOSS, 60°, ASTM D-523:** 50-60  
**VISCOSITY, mixed system, ASTM D-562:**  
85-95 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.

REVISED 03-24-2006