



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

www.pruett-schaffer.com

PRODUCT NUMBER PRODUCT NAME

22-SERIES EPOXY TOPCOATS, 2-COMPONENT, WATER BASED

GENERAL DESCRIPTION

Pruett-Schaffer's 22-Series coatings are water 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. 22-Series coatings are available in non-fading lighter colors and white. White is FDA approved for incidental food contact.

RECOMMENDED USES

13 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 22-Series epoxy primers, 20-Series water-based acrylic 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 22-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 3 parts by volume A component with 1 part 22-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 water. Add a little at a time with constant gentle agitation to a maximum of 5% by volume. **DO NOT OVERTHIN!**

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 48 hrs. for best results. Use .015-.017 inch spray tip size. Typical recommended dry film build per coat is between 3 and 4 mils when sprayed.

CURING TIMES & TEMPERATURES

Cures set-to-touch in 1 hour at 72 °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 4-gallon lots: 8 hours at 77 °F; There is no induction time.

CLEANUP

Clean equipment with water when still wet. If cure has started Xylol, MEK, or toluol may be necessary for cleanup.

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: 1.05 lb./gal mixed system typical

WEIGHT PER GALLON, ASTM D-1475:

10.6 lbs. mixed system typical

NONVOLATILE, mixed system:

By weight: 55-59% By volume: 45-47%

THEORETICAL COVERAGE:

736 ft²/gallon/mil, dry film

INITIAL GLOSS, 60°, ASTM D-523: 85

VISCOSITY, mixed system, ASTM D-562: 85-105 Krebs Units

FLASH POINT, TAG CC: over 141 °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 05-01-2000