



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

www.pruett-schaffer.com

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

GENERAL DESCRIPTION

Pruett-Schaffer's 15-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 phenalkamine low temperature cure hardeners and high performance epoxy components. They 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. 15-Series coatings are available in a variety of darker colors. 16-Series coatings are similar but available in non-fading lighter colors and white.

RECOMMENDED USES

15-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 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 15-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 use previously used mixing containers; partially cured material will greatly accelerate the cure of freshly mixed paint resulting in dramatically reduced pot life.

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 application by regular spray equipment, it 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 1-2 hours at 75 °F. Recoating before 48 hours curing time or reduced adhesion may result. Allow 7-10 days cure minimum at 75 °F before placing into severe service.

Unlike normal epoxy coatings, products in this series will cure at temperatures below freezing.

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. 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:
3.1-3.3 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 ft²/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.

REVISED 03-24-2006