



Commercial Performance Coatings

EEP SERIES EPOXY ESTER PRIMER CPC 59

3.5 VOC Epoxy Ester Primer

PRODUCT DESCRIPTION

EEP-435 3.5 VOC LIGHT GRAY EPOXY ESTER PRIMER
EEP-901 3.5 VOC BLACK EPOXY ESTER PRIMER

TYPE: Alkyd

RECOMMENDED USE

EEP Series are 3.5 VOC, chrome free epoxy ester primers. These 1K primers exhibit good filling and corrosion resistance properties when applied over properly prepared steel and aluminum substrates. A wide variety of topcoats may be applied over EEP Series.

COLOR: **EEP-435** LIGHT GRAY
EEP-901 BLACK

PHYSICAL CONSTANTS

WEIGHT PER U.S. GALLON

EEP-435 11.80 - 12.10 lbs/gal
 EEP-901 10.85 - 11.15 lbs/gal

PERCENT SOLIDS BY WEIGHT

EEP-435 70.6% - 72.6%
 EEP-901 68.8% - 70.8%

PERCENT SOLIDS BY VOLUME

EEP-435 50.0% - 54.0%
 EEP-901 50.5% - 54.5%

FLASH POINTS

EEP-435 Pensky-Martens 84°F (29°C)
 EEP-901 Pensky-Martens 84°F (29°C)

VOC

3.5 lbs/gal maximum

VISCOSITY	EEP-435	#3 Zahn	17-25 seconds	#2 Zahn	N/A
	EEP-901	#3 Zahn	19-27 seconds	#2 Zahn	N/A

PERFORMANCE FEATURES

96 HOUR HUMIDITY RESISTANCE

Good

ADHESION

Good

IN SERVICE TEMPERATURE LIMITATIONS

200°F

CHEMICAL/SOLVENT RESISTANCE

10% SULFURIC ACID	Excellent	10% HYDROCHLORIC ACID	Good
10% AMMONIA	Excellent	10% SODIUM HYDROXIDE	Fair
XYLENE	Good	ISOPROPYL ALCOHOL	Good
OIL	Fair	GASOLINE	Fair
500 HOURS SALT SPRAY	Good		

WATER RESISTANCE: Resistant to intermittent exposure. **Not recommended for immersion service**



SURFACE PREPARATION

The surface to be coated must be free of all contamination, including dust, dirt, oil, grease and oxidation. Chemical treatment or the use of a conversion coating will improve the adhesion and performance properties of the total coating system.

Metal	Recommended Topcoat	Direct To Properly Treated Substrate
Cold Rolled Steel	ALK-200, ALK-200/201, ALK-300, ALK-300LG AUE-100, AUE 280, AUE-280LG, AUE-300, AUE-400LG	Good
Hot Rolled Steel	ALK-200, ALK-200/201, ALK-300, ALK-300LG AUE-100, AUE 280, AUE-280LG, AUE-300, AUE-400LG	Good
Galvanized		Not Recommended
Galvaneal		Not Recommended
Aluminum	ALK-200, ALK-200/201, ALK-300, ALK-300LG AUE-100, AUE 280, AUE-280LG, AUE-300, AUE-400LG	Good
Plastic/Fiberglass	The surface should be free of all contamination. Because of the variability of plastic/fiberglass substrates, coating performance should be confirmed on the actual plastic/fiberglass substrate being used.	

APPLICATION DATA

MIXING DIRECTIONS

Stir thoroughly before and occasionally during use.

THINNING

Not recommended in VOC regulated areas. In non regulated areas, EEP-901 may be thinned up to 10% with Aromatic 100, 150, MAK or MEK

POT LIFE

N/A

RECOMMENDED WET FILM BUILD

1.4 - 2.1 mils (per coat)

RECOMMENDED DRY FILM BUILD

1.0 - 1.5 mils (per coat)

Note: Application of film thickness in excess or below those recommended for this product will substantially extend dry time and may cause problems such as, adhesion failure and solvent popping.

APPLICATION EQUIPMENT

Conventional Spray: 50-60 psi at the gun.

DRYING TIME

3.5 mils wet at 77°F (25°C) and 50% relative humidity.

Dust Free:	15 minutes
To Touch:	30 - 40 minutes
Handle:	1 - 2 hours
Dry:	24 hours *
To Topcoat:	After 1 hour to 7 days
Recoat:	Before 1 hour or after 6 hours up to 7 days

Note: After 4 days primer should be mechanically abraded before topcoating or recoating.

Force Dry	
Air Dry:	10 minutes
Bake:	20 minutes @ 160°F (71°C)

* Primer film is not fully cured for 7 days drying time listed may vary, depending upon film build, and temperature.

RECOMMENDED SPREADING RATE

834 sq. ft. at 1.0 mil dry film per U.S. gallon. Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.

CLEAN UP

Xylene / Ketones

APPLICATION PRECAUTIONS AND LIMITATIONS

Apply only when air, product or surface temperature is above 60°F (16°C) and when surface temperature is at least 5°F (3°C) above the dew point.

All Commercial Coatings Performance data is based on spray application, at the recommended film build. If alternative application methods are employed, substrate preparation and film builds listed for spray application must be followed.

To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries, Inc. is constantly improving its coatings and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG Distributor for the most up-to-date information

SAFETY

These materials are designed for application only by professional, trained personnel, using proper equipment under controlled conditions and are not intended for sale to the general public. Safe application of paints and coatings requires knowledge of equipment materials and individual training. Directions and precautionary information on both equipment and products should be carefully read and strictly observed for personal safety and property protection. Consideration must be given to eliminate conditions, which may generate hazardous atmospheres during spray application or subject operators or bystanders to injury or illness. Special precautions must be taken when utilizing spray equipment, particularly airless equipment. High-pressure injection of coatings into the skin by airless equipment may cause serious injury requiring immediate medical attention at a hospital. Treatment advice may also be obtained from Poison Centers. Air quality should be maintained with adequate ventilation; applicators can achieve additional protection by wearing respirators and other protective garments such as gloves and overalls. In all cases, wear protective eye equipment. During the application of all coatings materials, all flames, welding and smoking must be prohibited. Explosion proof equipment must be used when coating these materials in confined areas.

PRECAUTIONARY INFORMATION

Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all warnings and precautionary information on all product labels. Prevent all contact with skin and eyes and breathing of vapors and spray mist. Repeated inhalation of high vapor concentrations may cause a series of progressive effects including irritation of the respiratory system, permanent brain and nervous system damage and possible unconsciousness and death in poorly ventilated areas. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

KEEP OUT OF THE REACH OF CHILDREN

MEDICAL RESPONSE

Emergency Medical or Spill Control Information (304) 843-1300. CANADA (514) 645 - 1320 Have label information available.

MATERIAL SAFETY DATA SHEET

Material Safety Data Sheets for the PPG products mentioned in this publication are available through your PPG Distributor.

FOR ADDITIONAL INFORMATION REGARDING THIS PRODUCT, SEE THE MSDS AND LABEL INFORMATION.

PPG Industries
Commercial Coatings

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