



Commercial Performance Coatings

EFP-428/EFP-928

CPC 99

Fast Dry Epoxy Primer

| PRODUCT DESCRIPTION | |
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| EFP-428 FAST DRY EPOXY PRIMER – GRAY EFP-928 FAST DRY EPOXY PRIMER – BUFF Component A | EFP-281 FAST DRY EPOXY PRIMER CATALYST Component B |
| TYPE: Polyamide-Epoxy Two Component | |
| RECOMMENDED USE EFP-428 and EFP-928 are fast drying epoxy primers with excellent corrosion resistance for use over a variety of properly prepared substrates. Can be applied as a high build intermediate over zinc primers. | |
| PHYSICAL CONSTANTS | |
| WEIGHT PER U.S. GALLON (READY TO SPRAY) 12.6 lbs/gal ± 2% | FLASH POINTS EFP-428 Pensky-Martens 55°F (13°C) EFP-928 59°F (15°C) EFP-281 62°F (17°C) |
| PERCENT SOLIDS BY WEIGHT (READY TO SPRAY) 77.25% - 77.75% | |
| PERCENT SOLIDS BY VOLUME (READY TO SPRAY) 60.75% - 61.25% | VOC (RTS) 2.80 lbs/gal |
| PERFORMANCE FEATURES | |
| 96 HOUR HUMIDITY RESISTANCE Excellent | |
| ADHESION Very Good | |
| 2.80 VOC compliant | |
| Can recoat this high build primer in 2 hours. | |
| Can be applied at temperatures as low as 40°F (4°C) | |
| IN SERVICE TEMPERATURE LIMITATIONS 250°F (121°C) | |



| SURFACE PREPARATION | | |
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| 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. Recommended minimal surface preparation for metal substrates is Commercial Blast (SSPC-SP6) | | |
| Metal | Recommended Topcoat | Direct To Properly Treated Substrate |
| Cold Rolled Steel | AUE-280, AUE-280LG, AUE-300, AUE-350, AUE-400LG | Excellent over blasted surface |
| Hot Rolled Steel | AUE-280, AUE-280LG, AUE-300, AUE-350, AUE-400LG | Excellent over blasted surface |
| Galvanized | AUE-280, AUE-280LG, AUE-300, AUE-350, AUE-400LG | Not Recommended |
| Galvaneal | AUE-280, AUE-280LG, AUE-300, AUE-350, AUE-400LG | Not Recommended |
| Aluminum | AUE-280, AUE-280LG, AUE-300, AUE-350, AUE-400LG | Excellent |

| APPLICATION DATA | |
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| MIXING DIRECTIONS Stir thoroughly before and occasionally during use. Allow a 30-minute digestion period prior to application. 1 part component A (EFP-428 or EFP-928) to 1 part component B (EFP-281). | |
| THINNING Must not be thinned where 2.8 lb./gal. VOC compliance is required. May be thinned with Xylene where regulations allow. POT LIFE 8 Hours RECOMMENDED WET FILM BUILD Spray Application: 6.5 mils to 10 mils RECOMMENDED DRY FILM BUILD 4.0 mils to 6.0 mils APPLICATION EQUIPMENT Conventional Spray: JGA or PMBC 510 with E tip/needle.777 air cap. A 64-air cap may help control overspray. Airless Spray: Pressure 1500 psi, tip 0.017" – 0.021" Brush and Roll: Not recommended | DRYING TIME 77°F (25°C) and 50% relative humidity. To Touch: 30 minutes To Handle: 2 hours To Recoat: 2 hours Drying time listed may vary, depending upon film build, and temperature. Application of film thickness in excess of that recommended for this product will substantially extend dry time. |
| RECOMMENDED SPREADING RATE 978 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 MEK, Acetone, or Lacquer Thinner APPLICATION PRECAUTIONS AND LIMITATIONS Apply only when air, product or surface temperature is above 40°F (4°C) and when surface temperature is at least 5°F (3°C) above the dew point. Avoid exterior painting late in the day when dew or condensation are likely to form or when rain is threatening. Not recommended for residential use. Hot rolled steel must be prepared by abrasive blast cleaning Brush and roller application is not recommended. | |
| 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. 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. | |

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Commercial Coatings
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