

Multi-Use Epoxy Primer

EDP-410/EDP-510

CPC 98

Component A

EDP-410 MULTI-USE EPOXY PRIMER – GRAY
EDP-510 MULTI-USE EPOXY PRIMER – WHITE

Component B

EDP-101 MULTI-USE EPOXY PRIMER CATALYST

RECOMMENDED USE		SURFACE PREPARATION		
<p>This product can tolerate less than ideal surface preparation. Excellent choice for interior applications where one-coat and high build protection is required. Provides barrier coat for substrate protection when proper filmbuilds are applied over properly prepared substrate. Excellent chemical resistance. Can be used in immersion service (non-potable water) when applied over properly prepared substrate.</p> <p>TYPE: Polyamide Epoxy Two Component</p>		<p>The surface to be coated must be free of all contamination, including dust, dirt, oil, grease, moisture, and oxidation. For immersion service, minimum substrate preparation must be Near White Metal Blast (SSPC-SP10). Non-immersion service, SSPC-SP2 and tool cleaning minimum.</p>		
PHYSICAL CONSTANTS		Metal	Recommended Topcoat	Direct To Properly Treated Substrate
Mixed Voc (Varies by color)	<1.1 lbs/gal	Cold Rolled Steel	AUE-100, AUE-280, AUE-280LG, AUE-400LG, AUE-300	Excellent
Percent Solids By Weight (Varies by Color)	91.1% ± 2%			
Percent Solids By Volume (Varies By Color)	84.9% ± 2%	Hot Rolled Steel	AUE-100, AUE-280, AUE-280LG, AUE-400LG, AUE-300	Excellent
Weight Per U.S. Gallon (Varies By Color)	11.98 lbs/gal. ± 4% Gray 12.44 lbs/gal. ± 4% White	Galvanized	AUE-100, AUE-280, AUE-280LG, AUE-400LG, AUE-300	Excellent*
Flash Points (Pensky-Martens)	EDP-410 95°F (35°C) EDP-510 106°F (41.1°C) EDP-101 164°F (73.3°C)	Galvaneal	AUE-100, AUE-280, AUE-280LG, AUE-400LG, AUE-300	Excellent*
PERFORMANCE FEATURES		Aluminum	AUE-100, AUE-280, AUE-280LG, AUE-400LG, AUE-300	Excellent
<p>96 Hour Humidity Resistance Excellent</p> <p>Adhesion Excellent, even to minimally prepared substrates. Acts as Barrier Coating to offer outstanding corrosion protection. Product does not need to be topcoated to provide corrosion protection.</p> <p>Suitable for immersion service with sspc-sp10 surface preparation (near white metal)</p> <p>Suitable for immersion service with sspc-sp10 surface preparation (near white metal)</p> <p>In Service Temperature Limitations 250°F</p> <p>Permissible Temperatures During Application Material: 60°F to 90°F Ambient: 50°F to 100°F Substrate: 50°F to 130°F</p>		<p>* Remove grease and oils with quality thinner or naphta. If any oxidation (white rust) has formed, thoroughly sand and remove all forms of contamination. If galvanized steel has been passivated or treated, the surface must be abraded to some degree and remove all forms of contamination.</p>		

APPLICATION DATA		SAFETY										
<p>Mixing Directions Mix one part component A (EDP-410 or EDP-510) to one part component B (EDP-101) and mix well. Allow a 30-minute digestion time before use. Below 60°F(21°C) permit 60 minutes digestion time. Stir thoroughly before and occasionally during use.</p>		<p>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.</p> <p>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</p> <p>Medical Response Emergency Medical or Spill Control Information (412) 434-4515; CANADA (514) 645 - 1320 Have label information available.</p> <p>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.</p> <p>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.</p> <p>PPG Industries Commercial Coatings <i>We're Everywhere You Look</i></p> <p>PPG Industries 19699 Progress Drive Strongsville, OH 44149 1-800-647-6050</p> <p>PPG Canada Inc. 2301 Royal Windsor Drive Mississauga, Ontario L5J 1K5 1-888-310-4762</p> 										
<p>Thinning Thin with up to 25 % Xylene if using conventional spray equipment.</p>												
<p>Pot Life 4 Hours</p>												
<p>Application Equipment Airless Spray: Pressure 1500 psi, tip 0.017"-0.021"</p>												
<p>Drying Time 77°F (25°C) and 50% relative humidity.</p> <table border="1"> <tr> <td>To Touch:</td> <td>8 hours</td> </tr> <tr> <td>To Handle:</td> <td>16 hours</td> </tr> <tr> <td>To Dry:</td> <td>16 hours*</td> </tr> </table> <p>* This condition does not mean that the paint film has reached full cure. Paint film is not fully cured for 7 days. It is a stage where handling can be achieved without loosening, wrinkling or otherwise marring the film under minimal pressure from fingers or hands.</p> <p>Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.</p> <table border="1"> <tr> <td><i>Recommended Wet Film Build:</i></td> <td><i>4.7 – 8.2 mils</i></td> </tr> <tr> <td><i>Recommended Dry Film Build:</i></td> <td><i>4.0 – 7.0 mils</i></td> </tr> </table> <p>Film in excess or below these recommended film builds may cause problems such as, adhesion failure, pigment floatation, solvent popping, slow cure, and accelerated gloss and color failure.</p> <p>Recommended Spreading Rate 1362 sq. ft. @ 1.0 mil dry film per U.S. gallon (varies by color). Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.</p> <p>Clean Up MEK, Acetone or Lacquer Thinner</p>			To Touch:	8 hours	To Handle:	16 hours	To Dry:	16 hours*	<i>Recommended Wet Film Build:</i>	<i>4.7 – 8.2 mils</i>	<i>Recommended Dry Film Build:</i>	<i>4.0 – 7.0 mils</i>
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<p>RTS Combinations:</p>	<p>EDP-410/510 : EDP-101</p>											
<p>Volume Ratio:</p>	<p>1 : 1</p>											
<p>Applicable Use Category</p>	<p>Primer</p>											
<p>VOC Actual (g/L)</p>	<p>127 - 128</p>											
<p>VOC Actual (lbs/gal)</p>	<p>1.06 - 1.07</p>											
<p>VOC Regulatory (less water less exempt) (g/L)</p>	<p>127 - 128</p>											
<p>VOC Regulatory (less water less exempt) (lbs/gal)</p>	<p>1.06 - 1.07</p>											
<p>Density (g/L)</p>	<p>1445 - 1488</p>											
<p>Density (lbs/gal)</p>	<p>12.06 - 12.42</p>											
<p>Volatiles wt. %</p>	<p>8.6 - 8.8</p>											
<p>Water wt. %</p>	<p>0.0</p>											
<p>Exempt wt. %</p>	<p>0.0</p>											
<p>Water vol. %</p>	<p>0.0</p>											
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<p>APPLICATION PRECAUTIONS AND LIMITATIONS</p> <p>Apply only when air, product or surface temperature is above 50°F 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 condensations are likely to form or when rain is threatening. Not recommended for use in swimming pools or with alkyd-oil topcoats. Hot rolled steel must be prepared by abrasive blast cleaning.</p> <p>The chemistry of this product leads to natural yellowing of the cured film over time. This condition continues as the film ages; the extent of change will vary with application conditions. This condition does not degrade coating performance. The film will also lose gloss and may chalk over time, given exterior exposure. This condition will not affect film integrity.</p> <p>Brush (use polyester/nylon brush) and roller (use solvent resistant core) application is recommended.</p>												