

ENVIROPHOS 2300

TECHNICAL DATA SHEET

Two Pack Water Based Zinc Phosphate Epoxy



A & I Coatings **ENVIROPHOS 2300** is a water based, environmentally friendly two pack zinc phosphate primer for mild steel, hot dipped gal and zinc plated steel.

USES & BENEFITS	As a primer for mild and galvanized steel • As a suitable primer for acrylics, urethanes and fluoropolymers. • Marine & industrial environment • Structural steel			
	Benefits <ol style="list-style-type: none"> 1. Excellent anti corrosive properties 2. Very good water resistance when fully cured 3. Fast Drying 4. Very good resistance to abrasion and impact damage 			
PHYSICAL PROPERTIES	Vehicle Type	Water borne epoxy		
	Hardener	Aliphatic Polyamine Adduct		
	Mixing Ratio	4 : 1 (Part A : Part B) by Volume		
	Pot Life	2 Hrs @25°C		
	Finish	Matt		
	Theoretical Coverage	5.7m ² / Litre @ 75µm DFT		
	Volume Solids	43 ± 2 %		
	Recommended DFT	75µm – 100 DFT		
	Usual No. of Coats	1 to 2		
	Colour	Natural Grey		
	Pigmentation	Zinc Phosphate		
	Product Weight	1.47Kg/Litre (Pack A), 1.03kg/L (Pack B)		
	VOC Content	69g/Litre (APAS), 161g/Litre (US EPA)		
ENGINEERING DATA	Dry Heat Resistance	200°C		
	Salt Spray Resistance	Good		
	Durability	Very good. Must be top coated for exterior exposure		
CURING DATA	Substrate Temp.(°C)	Surface Dry	Full Cure	Recoat Min
	10°C			7 Hrs
	25°C	1 Hr	7 Days	4 Hrs
	40°C			1.5 Hrs
APPLICATION DATA	Mixing	Power mix Pack A first, then power mix A & B together thoroughly, and then add water if necessary to thin and mix again.		
	Application	Air spray, airless, roller and brush.		

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APPLICATION DATA Cont'	Cleaning	Water
	Thinning	May be thinned with water up to 10% if necessary. For high build, on vertical applications, use the minimum amount of thinners or none at all to avoid sagging.
	Typical Specification	Blast Cleaned Mild Steel: 1 coat Envirophos 2300 to 75µm DFT 1 coat Enviroset 2100 MIOX to 100-150µm DFT 1 coat Enviroflon 8480 to 60µm DFT
SURFACE PREPARATION	Steel	Degrease according to SSPC SP1 solvent cleaning. Thoroughly water blast to remove all salt deposits. Before blast cleaning remove all weld spatter and radius sharp edges and welds. Blast clean to specified / recommended AS1627.4 class 2.5 minimum for best results.
WORK STOPPAGES	General	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with A & I Coatings recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.
	Clean Up	Clean all equipment after use with A & I Coatings recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, (including delays).
PACKING & STORAGE	Packing	Available in 5L and 20L kits. For availability of other sizes, contact A & I Coatings.
	Storage	12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.
HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Safety Data Sheet for E2300. Users should familiarize themselves with all the safety aspects of the product prior to usage	

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation. Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on onsite conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation. **DISCLAIMER** Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. For additional information, phone our Customer Service Centre.



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