



RAINBOW

EPOXY MULTI-PURPOSE PRIMER

PRODUCT NUMBER	SP-47-1 (EP-116)					
TYPE	The two-pack, universal anticorrosion primer based on epoxy resin, hardener and special pigments.					
USES	Used for the new building system or the maintenance system, including ship's all areas such as ballast tank, underwater hull, topside, deck, cargo tank, oil tank, superstructure, interior etc. Also used for anticorrosion engineering of steel structure such as chemical factories, bridges, power plants, inlet and outlet pipes, drains and sewers etc.					
CHARACTERISTICS	<ol style="list-style-type: none"> 1. Simplified procedure, convenient application, unique long terms anticorrosive performance. 2. Excellent anticorrosion and adhesion, widely apply on shop primer, steel plate (sand-blasted or mechanical surface preparation), aluminum, stainless steel, galvanized steel preparation. 3. Can be coated a variety types of coating, e.g. epoxy, polyurethane, acrylic, alkyd, chlorinated rubber, vinyl and fire retardant paint. 4. Excellent resistance to mechanical damage. 5. Excellent resistance to sea water when applied to steel and non-ferrous metal. 6. Easy application, very fast drying, it's good for all seasons to use. 					
GLOSS	Flat					
COLOR	Yellowish Green, Grey, Red Oxide					
FLASH POINT	26°C					
SPECIFIC GRAVITY	Above 1.3 Kg/L					
DRYING TIME	Set-to-touch	1 1/2 hrs.	Dry hard	4 hrs.	(25°C)	
OPTIMUM FILM THICKNESS	Wet	125~333 microns	Dry	75~200 microns		
VOLUME SOLIDS	60%					
THEORETICAL COVERAGE	30.3 m ² /Gal	8 m ² /L	@ 75 microns			
OVERCOATING INTERVALS	Overcoating table for two-pack epoxy coating:					
	Substrate temperature	5°C	10°C	20°C	30°C	40°C
	Minimum	13 hours	6 hours	2.5 hours	1.5 hours	1 hour
	Maximum (Not exposed to sunshine)	6 months	6 months	6 months	4 months	3 months
	Maximum (Exposed to direct sunshine)	3 months	3 months	3 months	2 months	2 months
MIXING RATIO	Base : Hardener = 80 : 20 (by volume) = 86 : 14 (by weight.)					
POT LIFE	6 hrs. (25°C)					
THINNER	No.1005 Epoxy Thinner (SP-12)					
THINNING RATE	Brush / Roller : 0~5% Airless spray : 0~10% (Can not be used more than)					
SUBSEQUENT COATS	Epoxy 、 Polyurethane 、 Acrylic 、 Chlorinated Rubber 、 Vinyl and Fire-retardant Paint					
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.					
APPLICATION METHOD	Airless Spray, Brush, Roller					
NOTE	<ol style="list-style-type: none"> 1. Mix base and hardener according to the mixing ratio and stir thoroughly. 2. Adhered moisture, salt, grease, sludge, dust and rust on substrate must be removed thoroughly. 3. Surface of steel must be pretreated by sand-blasting to ISO-Sa 2 1/2 or with high pressure water-jet to VIS WJ 2/3. 4. Surface of shop primer must be pretreated by sand-sweeping to ISO SS or St3. 5. Avoid applying the paint in raining weather or the relative humidity exceeded 85%RH or substrate temperature below the dew point 3°C. 6. When used inside tanks, sufficient ventilation must be provided. 					

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