

## **EPOXY MULTI-PURPOSE PRIMER**

PRODUCT NUMBER TYPE	SP-47-1 (EP-116) The two pack, universal entirerregion primer based on energy regin, herdener and special
ITPE	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,
CHARACTERISTICS	bridges, power plants, inlet and outlet pipes, drains and sewers etc.
	<ol> <li>Simplified procedure, convenient application, unique long terms anticorrosive performance.</li> </ol>
	2. Excellent anticorrosion and adhesion, widely apply on shop primer, steel plate
	(sand-blasted or mechanical surface preparation), aluminum, stainless steel, galvanized
	steel preparation.
	<ol><li>Can be coated a variety types of coating, e.g. epoxy, polyurethane, acrylic, alkyd, chlorinated rubber, vinyl and fire retardant paint.</li></ol>
	<ol><li>Excellent resistance to mechanical damage.</li></ol>
	<ol> <li>Excellent resistance to sea water when applied to steel and non-ferrous metal.</li> <li>Easy application, very fast drying, it's good for all seasons to use.</li> </ol>
GLOSS	Flat
COLOR	Yellowish Green, Grey, Red Oxide
FLASH POINT	<b>26</b> °C
SPECIFIC GRAVITY	Above 1.3 Kg/L
	Set-to-touch1 1/2 hrs.Dry hard4 hrs. $(25^{\circ})$ Wet $125 \sim 333$ micronsDry $75 \sim 200$ microns
OPTIMUM FILM THICKNESS	
VOLUME SOLIDS THEORETICAL COVERAGE	60%
	30.3 $\text{m}^2/\text{Gal}$ 8 $\text{m}^2/\text{L}$ @ 75 microns
OVERCOATING INTERVALS	Overcoating table for two-pack epoxy coating: Substrate temperature 5°C 10°C 20°C 30°C 40°C
	Substrate temperature         3 C         10 C         20 C         30 C         40 C           Minimum         13         6         2.5         1.5         1
	hours hours hours hour
	Maximum 6 6 6 4 3
	(Not exposed to sunshine) months months months months months
	Maximum 3 3 3 2 2
	(Exposed to direct sunshine) months months months months months Base : Hardener = 80 : 20 (by volume) = 86 : 14(by weight.)
MIXING RATIO POT LIFE	6 hrs. $(25^{\circ})$
THINNER	No.1005 Epoxy Thinner (SP-12)
THINNING RATE	Brush / Roller : $0 \sim 5\%$ Airless spray : $0 \sim 10\%$ (Can not be used more than)
SUBSEQUENT COATS	Epoxy  Polyurethane  Acrylic  Chlorinated Rubber  Vinyl and Fire-retardant Paint
STORAGE SHELF LIFE APPLICATION METHOD NOTE	Minimum 1 year under normal storage conditions.
	Airless Spray, Brush, Roller
	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.
	<ol><li>Surface of shop primer must be pretreated by sand-sweeping to ISO SS or St3.</li></ol>
	5. Avoid applying the paint in raining weather or the relative humidity exceeded 85%RH or
	substrate temperature below the dew point $3^{\circ}$ C.
	6. When used inside tanks, sufficient ventilation must be provided.

## YUNG CHI PAINT & VARNISH MFG. CO., LTD.

No.26, Yen Hai 3rd Road, Kaohsiung, Taiwan. TEL:886-7-8713181 http://www.rainbowpaint.com.tw

FAX:886-7-8715443