



RAINBOW

RAINBOPRIME 812

Specification Data

Product Number	30812
Type	Two-pack, solvent free, phenolic/novolac epoxy tank lining.
Uses	This paint used for fuel tanks, seawater tanks, dedicated boiler feedwater (pure water) tanks, dedicated chemical holding (ship sewage/waste) tanks (CHT tanks).
Characteristics	<ol style="list-style-type: none">1. Excellent resistance to chemicals.(Complies with ASTM C267).2. It can be sprayed to the carbon steel, galvanized steel and stainless after its surface has been treated.3. Tough and flexible film with excellent abrasion resistance.4. Excellent resistance to sea water and most chemicals.5. Excellent corrosion resistance and very good adhesion.6. Quick drying and easy application, but limited pot life.
Color	Brown · Gray
Finish	eggshield
Density	Above 1.35 Kg/L (mixture)
VOC Values	95 g/L
Volume Solids	90%(mixture)
Optimum Film Thickness	Wet 111µm ~ 166.7µm (Micron) Dry 100µm ~ 150µm (Micron)
Theoretical Coverage	34 m ² /Gal 9 m ² /L (Dry film : 100µm)
Repair	Self Repairing
Pot life	30 minutes (below 86°F)

Application Instruction

- Surface preparation

General	Remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. Surfaces must be clean and dry. Moisture, grease, sludge, dust, corrosive salt must be thoroughly cleaned from substrate.
Steel	Surface preparation standards can use SSPC-SP10 or Sa2 1/2 (ISO 8501-1:2007).
Areas of Breakdown and Damage	It should be prepared to the specified standard (Sa2 1/2 (ISO 8501-1:2007) or SSPC-SP6, Abrasive Blasting or SSPC-SP11, Power Tool Cleaning) and patch primed prior to the application of RAINBOPRIMER 812.

EPDM3030812X V1.1

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

No.26, Yen Hai 3rd Road, Kaohsiung, Taiwan.
<http://www.rainbowpaint.com.tw>

TEL:886-7-8713181
FAX:886-7-8715443



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- **Mixing & Thinning**

Mixing Mix base and hardener according to the mixing ratio and stir thoroughly.
Thinning Use Epoxy Thinner (SP-12) to thin up 5-10%.
Mixing Ratio Base : Hardener = 3 : 1 (by volume) 3.2 : 1 (by weight)

- **Equipment**

Spray Application Avoid applying the paint in rainy weather or the relative humidity exceed 85%, particularly, a wet surface must be thoroughly dried. All equipment must be cleaned immediately after use. To increase or decrease the usage of thinner depending on the temperature of the coated surface, the temperature decreased may have to add more amount of thinner

Airless Spray Pump ratio 45 : 1 or greater
 Tip size : 0.021"~ 0.029"
 Air Pressure 5~6 Kg/cm²

Brush Application by brush is applicable. For special condition please consult with product manufacturer.

Roller Application by roller is applicable. For special condition please consult with product manufacturer.

- **Environment conditions**

Condition	Coating	Surface	Environment	Humidity
Minimum	5°C (41°F)	5°C (41°F)	5°C (41°F)	30%
Maximum	35°C (95°F)	55°C (131°F)	45°C (113°F)	85%

Industry standards are for substrate temperatures to be 3°C(5°F) above the dew point . the product simply requires the substrate temperature to be above the dew point.

- **Curing Schedule**

Surface Temp. & 50% Relative Humidity	Set to touch	Dry Hard	Minimum Interval	Max Interval
5°C (41°F)	16 hrs	36 hrs		
10°C (59°F)	8 hrs	24 hrs		
20°C (77°F)	4 hrs	12 hrs	8 hrs	14 days
30°C (95°F)	3 hrs	8 hrs	8 hrs	12 days
40°C (113°F)	2 hrs	6 hrs	8 hrs	7 days

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- Cleanup & Safety

Cleanup	Use Epoxy Thinner (SP-12) to clean. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety	Please read and follow all caution statements on this product data sheet and SDS for this product.
Ventilation	Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic or oxygen deficient hazards.

- Package, Handling & Storage

Shelf Life	Part A : Minimum 2 years under normal storage conditions Part B : Minimum 1 years under normal storage conditions
Shipping Weight	Part A : 15 L — 21 kg Part B : 5 L — 6.5 kg
Storage Temperature & Humidity	5-35°C (41-95°F) 0-90% Relative Humidity
Flash Point	52.5°C(mixture)
Storage	Store in cool ventilated place, do not exposed to the sun in outdoor to avoid affecting the quality.

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