



# RAINBOW

## Novolac/Phenolic Epoxy Coating For Chemical Resistant

### Specification Data

<b>Product No.</b>	No.1573
<b>Type</b>	2 pack · Highly cross-linked amine-cured phenolic Epoxy(one kind of epoxy based upon Novolac resin technology) to provide a corrosion resistant barrier and chemical resistance.it has excellent ability for anti-corrosion in heavy duty environment. It must be finished by topcoat when used for outdoor condition.
<b>Uses</b>	Used for carbon steel · stainless steel and galvanized steel to corrosion prevention under 200°C and excellent resistance to chemicals.
<b>Characteristics</b>	<ul style="list-style-type: none"><li>• Specially used for primers in fuel tanks, ballasted tanks, boiler feedwater tanks, chemical holding tanks, or environments that require chemical resistance.</li><li>• Suitable for loading a variety of chemicals. ( Complies with ASTM C267 )</li><li>• It can be sprayed to the carbon steel, galvanized steel and stainless after its surface has been treated.</li><li>• Coating film is tough and wear-resistant.</li><li>• Excellent anti-rust performance and adhesion.</li><li>• The coating film dries quickly and is easy to apply, but the pot life is shorter after mixed.</li></ul>
<b>Color</b>	Gray · Red Brown
<b>Finish</b>	Gloss
<b>Primer</b>	Self Priming
<b>Subsequent Coats</b>	No.1569 for high temp conditions and PU series for ambient temperature conditions
<b>Re-coating Interval</b>	6 hours (Min.) 14 days (Max.)
<b>VOC values</b>	166 g/L
<b>Volume Solids</b>	85 ± 2 %
<b>Typical Thickness</b>	100~150 microns (DFT) per coat ( 2~3 coats recommended ).
<b>Theoretical Coverage</b>	32.2 m <sup>2</sup> /Gal 8.5 m <sup>2</sup> /L (DFT :100 microns)

### 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 be used SSPC-SP10 · Sa2 1/2 (ISO 8501-1:2007) or hand rusting to SIS St3.The galvanized or stainless steel must be sand blasted to SIS Sa1 before application. Roughness for structure of carbon steel requires for 45~60 microns, for stainless and galvanized steel surface is above 25 microns.

EPDM151573XX V1.0

# 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



# RAINBOW

- **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 = 85 : 15 ( by weight )  
**Pot life** 20 minutes at 77 °F (mixture, 25°C)

- **Equipment**

**Spray Application** Add thinner to base and stir thoroughly, then add hardener. Viscosity may lower while add hardener, please keep stirring for few minutes. The paint film must be cured for 7 days in room temperature before service.

**Airless Spray** Pump ratio : 45:1 or greater  
Tip size : 0.021"~0.029"  
Output PSI : 2500~4000 PSI

**Brush** Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.

**Roller** Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.

- **Environment conditions**

Condition	Coating	Surface	Environment	Humidity
Minimum	10°C (50°F)	10°C (50°F)	10°C (50°F)	30%
Maximum	45°C (113°F)	50°C (122°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 3°C(5°F) above the dew point.

- **Coating interval**

Surface Temp. & 50% Relative Humidity	Minimal	Maximum
10°C(50°F)	1 days	28 days
15°C(59°F)	12 hours	14 days
25°C(77°F)	6 hours	14 days
35°C(122°F)	4 hours	12 days

The surface must be abrasive before painting if exceed the maximum coating interval.

EPDM151573XX V1.0

## 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



# RAINBOW

- 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 MSDS 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** Minimum 18 months under normal conditions.
- Shipping Weight** 1 Gallon Kit – Part A : 4.7 kg      Part B : 0.8 kg  
5 Gallon Kit – Part A : 23.5 kg      Part B : 4.0 kg
- Storage Temperature & Humidity** 5-35°C (41-95°F)  
0-90% Relative Humidity
- Flash Point** Part A : 78°C (77°F)      Part B : 69°C (77°F)
- Storage** Store in dry, shaded conditions away from sources of heat and ignition.

EPDM151573XX V1.0

**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