



RAINBOW

EPOXY PRIMER — Rainbowcar 1021

Specification Data

Type	A two-pack, special alloy primer based on epoxy resin, hardener and special pigments.		
Uses	Used for galvanized steel, aluminum, alum-alloy metal, stainless steel, fiber-reinforced plastic and tile after cleaning.		
Characteristics	<ul style="list-style-type: none">• Very fast drying with excellent adhesion.• Very good adhesion with the galvanized steel, aluminum, stainless steel and tile.• Very good resistance to weather and abrasion.		
Color	Brown		
Finish	Flat		
Mass Density	Above 1.4 Kg/L (mixture)		
Viscosity	Above 60~80 KU (mixture, 25°C)		
VOC Values	453 g/L		
Solids Content	By Weight Above 65% (mixture)		
Theoretical Coverage	31.5 m ² /Gal (338.9ft ² /Gal) 8.3 m ² /L (89.3ft ² /Gal) 5.9 m ² /Kg (63.5ft ² /Gal) (DFT : 2.4 mils)		
Dry Film Thickness	2.4 mils (60 microns)		
Overcoating intervals	Min. 8 hrs. Max. 6 months		
Subsequent Coats	Rainbowcar 770 or others we suggested.		
Repair	Self Repairing		

Certification

- **BS 6853: 1999 Table 5 (exterior vertical surfaces) (Rainbowcar 1021 + Rainbowcar 1601 + Rainbowcar770 + Rainbowcar 727) :**
Exova Waringtonfire Document Reference :393306, 393308 & 393309 Date 6th February 2018

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.
Surface preparation standards can use SSPC-SP10 or Sa2 1/2 (ISO 8501-1:2007). Blast surface profile 1~3mils (25~75 microns) (Ref. ASTM D4417).

- Mixing & Thinning

Mixing Mix base and hardener according to the mixing ratio and stir thoroughly.
Thinning Use Epoxy Thinner (SP-12) to thin up 5-15%.
Mixing Ratio Base : hardener = 90 : 10 (by weight)
Pot life 6 hours at 25°C (mixture, 77°F)

EPDM1010201X V1.0

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

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<http://www.rainbowpaint.com.tw>

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



RAINBOW

- 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 60:1 or greater
Tip size : 0.029"~ 0.035"
Input PSI: 85 Output PSI : 2800~4000
Thinning rate: 5~10%.

- Brush**

Application by brush is applicable for small area only. Thinning rate: 0~5%. For special condition please consult with product manufacturer.

- Roller**

Not recommended

- Environment conditions

Condition	Coating	Surface	Environment	Humidity
Minimum	10°C (50°F)	10°C (50°F)	10°C (50°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	Dry to Handle	Dry to Recoat & Topcoat
10°C (41°F)	6 hours	1 day
15°C (59°F)	3 hours	16 hours
25°C (77°F)	2 hours	8 hours
35°C (95°F)	1.5 hours	6 hours

- 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 Ventilation**

Please read and follow all caution statements on this product data sheet and MSDS for this product. 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.

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- 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 : 1 Gallon – 4.5kg 5 Gallon – 22.5kg Part B : 1 Gallon – 0.5kg 5 Gallon – 2.5kg
Storage Temperature & Humidity	5-35°C (41-95°F) 0-85% Relative Humidity
Flash Point	Above 20°C
Storage	Store in cool ventilated place, do not exposed to the sun in outdoor to avoid affecting the quality.

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