



## REVONPOX-ZP RV 218

### Epoxy Zinc Phosphate Primer

#### PRODUCT DESCRIPTION

Polyamide cured inhibitive epoxy primer.

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#### RECOMMENDED USE

Epoxy primer with recommended epoxy Topcoat for the protection of steel in aggressive industrial and marine environments such as structural steel, tank exterior, bridges, chemical plants, food processing installations.

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#### CHARACTERISTICS

- Pigmented with zinc phosphate, free of lead and chrome pigment.
  - Tough epoxy film reduces cost of site touch-up by minimizing handling and erection damage.
  - Good abrasion resistance which minimises mechanical damage.
  - Resists weathering without a Topcoat for extended period (6 months maximum).
  - Ideal as a shopprimer.
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#### PHYSICAL DATA

<b>Colour</b>	grey and Red oxide	
<b>Gloss Level</b>	Flat	
<b>Volume Solid</b>	Approx. 49%	
<b>Dry Film Thickness</b>	50 microns per coat	
<b>Number of Coat</b>	1	
<b>Theoretical Coverage</b>	9.80 sq.m/	□ for 50 microns
<b>Temperature Resistance</b>	Continuous	: 85°C (dry)
	Intermittent	: 123°C (dry)
<b>VOC</b>	422 g/	□
<b>Flash Point</b>	Base	: 47°C
	Hardener	: 28°C
<b>Shelf Life</b>	At least 12 months	
<b>Pack Size</b>		
20 Kgs unit	Base : 16 Kgs , Hardener : 4 Kgs	

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#### SURFACE PREPARATION

Dry abrasive blast in accordance with ISO – Sa 2.5 or SSPC – SP 10 “Near White”. Blast to achieve an anchor profile of 25 – 50 microns as determined with a Keane Tator Surface Profile Comparator.

Remove abrasive residue or dust from surface.

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## APPLICATION DATA

### Application Methods

#### Airless Spray

Nozzle Tip	0.46 – 0.58 mm (0.018 – 0.023 inch)
Nozzle Pressure	10 MPa (approx. 1400 psi)

#### Conventional Spray

Nozzle Tip	1.8 – 2.0 mm (0.071 – 0.079 inch)
Nozzle Pressure	0.3 MPa (approx. 43 psi)

### Mixing Ratio By Volume

Base : Hardener = 4 : 1

### Thinner

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### Surface Temperature

Should be 10°C – 49°C, at least 3°C above the dew point to prevent condensation

### Drying Time

Touch Dry	2 hours at 25°C, 1 hour at 32°C
Through Dry	4 hours at 25°C, 2 hours at 32°C
To Topcoat	
Minimum	4 hours at 25°C, 2 hours at 32°C
Maximum	6 months (roughened and dry)
Full Cure	7 days

### Pot Life

8 hours at 25°C, 4 hours at 32°C

## SAFETY PRECAUTION

*Keep away from heat, spark and Open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use.*

*Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard.*

*Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.*

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## DISCLAIMER

*The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.*