



DESCRIPTION

- two pack polyamide-cured zinc rich epoxy primer
- zinc in dry film 87% by weight
- approved to APAS-0014/2, APAS-2916
- conforms to AS/NZS 3750.9 type 2

PRINCIPAL CHARACTERISTICS

- provides cathodic protection to steel
- designed as a system primer for various paint systems
- designed for fast recoats at low temperatures using Rapid Recoat hardener
- excellent corrosion prevention properties
- can serve as a holding primer for various maintenance systems for a total repair
- for atmospheric and immersion conditions
- the topcoating paint system must be non-saponifiable

COLOURS AND GLOSS

- Grey - flat

BASIC DATA AT 25°C

- solids content approx. 56% by volume
- mix ratio 3A:1B by volume
- typical film thickness (per coat) 50 microns(dry), 75 microns max, 90 - 135 microns(wet)
depending on system. Dft's of more than 75 microns are not recommended underneath thick, rigid epoxy systems
- theoretical spreading rate 22.4 m²/l for 25 microns(dry), 7.5 m²/l for 75 microns(dry)
- touch dry after 20 mins
- overcoating interval min. 1½ hours, max. unlimited
- full cure after 5 days
- shelf life (cool and dry place) at least 12 months

Zinc rich primers form zinc salts on the surface. At all times, any visible surface contamination and zinc salts must be removed before overcoating by high pressure potable water cleaning (min. 30 MPa/4000 psi), wet abrasive blasting, sweep blasting or mechanical cleaning.

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- all surfaces to be coated must be clean, dry and free from chalking and contamination
- oil and grease should be removed from all surfaces in accordance with AS 1627.1 solvent cleaning
- mild steel; blast clean in accordance with AS 1627.4 to Sa 2½ minimum (AS 1627.9), surface profile 40-70 microns
- if oxidation occurs between blasting and application, the surface should be reblasted to the specified visual standard
- surface defects revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner
- previous suitable coat; dry and free from any contamination and sufficiently roughened if necessary
- substrate temperature must be at least 10°C during surface preparation, application and curing and at least 3°C above dew point
- relative humidity should not exceed 85%

INSTRUCTIONS FOR USE

- mixing ratio by volume 3A:1B
- mix with Galvit EP100 Rapid Recoat PT B only
- induction time - 30 mins. at 15°C; 15 mins. at 25°C
- stir thoroughly after the induction time before using
- pot life - 5 hours. Do not use after this time even if the mix is still liquid
- stir the components and mixed product well using a mechanical mixer
- the temperature of the mixed product must be above 15°C, otherwise extra thinner may be required to obtain application viscosity
- too much thinner will result in lower sag resistance and slower cure
- thinner should only be added after mixing the components
- freshly catalysed material should not be added to product that has been mixed for some time
- agitate continuously during application
- for recommendations outside those contained in this data sheet, refer to WattyI

APPLICATION

- **AIRLESS SPRAY**
 - recommended thinnerL760
 - volume of thinnerup to 20% depending on dft to be applied
 - nozzle orifice.....approx. 0.43 - 0.48 mm (0.017 - 0.019 inch)
 - nozzle pressure15 MPa (2100 psi)
- **AIR SPRAY**
 - recommended thinnerL760
 - volume of thinnerup to 20% (depending on dft to be applied)
 - nozzle orifice.....1.8 - 2.0 mm
 - nozzle pressure0.3 - 0.6 MPa (50 - 85 psi)
- **BRUSH/ROLLER**
 - recommended thinnerL760
 - volume of thinnerup to 3%
- **CLEANING SOLVENT**L760

SAFETY PRECAUTIONS

- flammable. Avoid contact with heat and naked flame
- avoid contact with skin and eyes
- use gloves, mask and goggles during application
- provide adequate ventilation when using in confined spaces
- zinc paints may develop pressure on storage, open containers carefully
- provide adequate ventilation when cutting or welding this product due to harmful zinc fumes
- this product is intended for use in industrial situations by professional applicators in accordance with the advice given on this sheet. All work involving the use and application of this product should be carried out in compliance with all relevant Health, Safety & Environmental standards and regulations and must not be used without reference to the Material Safety Data Sheet (MSDS)

**ADDITIONAL DATA****Surface Preparation of Galvit EP100 before overcoating**

- zinc rich primers can form zinc salts on the surface and these must be removed before overcoating
- zinc rich primers should NOT be weathered for long periods before overcoating
- in Industrial and Marine Conditions, the overcoating interval should be reduced to the practical minimum
- before overcoating, zinc salts, chalking and all other forms of visible surface contamination must be removed by high pressure (30 MPa/4,000 psi) potable water cleaning, wet abrasive blasting, sweep blasting or mechanical cleaning
- to prevent zinc salt formation and surface contamination where very long overcoating intervals are required, it is recommended to overcoat Galvit EP100 within two days with Epinamel PR250

Overcoating table

Substrate temperature	5°C	10°C	15°C	25°C	35°C
Minimum interval	3 hrs	2½ hrs	2 hrs	1½ hrs	1 hr
Maximum interval	Unlimited when free from zinc salts and contamination - see surface preparation notes above				

Curing table

Substrate temperature	Touch dry	Dry to handle	Full cure
5°C	30 mins	3 hrs	10 days
10°C	25 mins	2½ hrs	9 days
15°C	20 mins	2 hrs	7 days
25°C	10 mins	1 hr	5 days
35°C	10 mins	1 hr	3 days

- adequate ventilation must be continuously maintained during application and curing

Potlife (at application viscosity)

Paint temperature	Pot life
15°C	8 hrs
25°C	5 hrs
35°C	3 hrs

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