GALVIT® EP102

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Description

- A two-pack, polyamide-cured, zinc rich rapid recoat epoxy primer.
- Zinc in dry film 65% by weight.

Product Characteristics

- Provides cathodic protection to steel.
- Designed as a system primer for various paint systems.
- Rapid recoat technology is designed for fast recoating at low temperatures.
- Excellent corrosion prevention properties.
- Can serve as a holding primer for various maintenance systems.
- The top coating paint system must be non-saponifiable.

Colours and Gloss

- Grey – flat.

Recommended Film Thickness (Per Coat)

	Minimum	Maximum	Typical
Dry film thickness (µm)	50	75	75
Wet film thickness (µm)	90	135	135
Theoretical spreading rate (m^2/l)	11.0	7.3	7.3

- Depending on system dft's of more than 75 microns are not recommended underneath thick, rigid epoxy systems.

Basic Data at 25°C

Solids content approx.	55% by volume
Mix ratio	3A:1B by volume
Touch dry after	20 minutes
Full cure	5 days
Temperature Resistance	95°C (dry), 35°C (wet)

- 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.

Surface Preparation

- All surfaces to be coated must be clean, dry and free from chalking and contamination, and sufficiently roughened.
- 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 re-blasted 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 5°C during surface preparation, application and curing and at least 3°C above dew point.
- Relative humidity should not exceed 85%.

Application Instructions

- Mixing ratio by volume: 3A:1B.
- Mix Galvit EP102 Part A with Galvit EP100/EP102 Rapid Recoat Part B only.
- Induction time is 30 mins at 15°C; 15 mins at 25°C.
- Stir thoroughly after the induction time before using.
- Pot life at 25°C is 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.
- The topcoating paint system must be non-saponifiable.
- Wattyl recommends the use of coating inspection reports in compliance with AS/NZS 3894.10,11,12 refer to Information Sheet I-20 for more information.

Application Methods

	AIRLESS SPRAY	AIR SPRAY	BRUSH/ ROLLER
Recommended thinner	Thinner L760	Thinner L760	Thinner L760
Volume of thinner	0-20% (depending on dft to be applied)	0-20% (depending on dft to be applied)	0-3%
Tip	0.43-0.48mm (0.017-0.019 inch)	1.8- 2.0mm	-
Fluid/ Atomised pressure	15 MPa (2100 psi)	0.3-0.6 MPa (50-85 psi)	

CLEANING SOLVENT | Thinner L760

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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 safety data sheet (SDS).

Additional Data

SURFACE PREPARATION OF GALVIT EP102 BEFORE OVERCOATING

- Zinc rich primers can form zinc salts on the surface and these must be removed before overcoating, and sufficiently roughened if necessary.
- 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 EP102 within two days with Epinamel PR250.

OVERCOATING TABLE

Overcoating interval for Galvit EP102 cured with Rapid Recoat Part B when top coating with **Epinamel Epoxies.**

Interval	5°C	15°C	25°C	35°C
Min	3 hrs	2 hrs	1.5 hrs	1 hr
Max	Unlimited when free from zinc salts and contamination - see surface preparation notes above			

CURING AND POTLIFE TABLE

Curing and Potlife Table for Galvit EP102 cured with Rapid Recoat Part B.

Paint temperature	5°C	15°C	25°C	35°C
Dry to handle	3 hrs	2 hrs	1 hr	1 hr
Full cure	10 days	7 days	5 days	3 days
Potlife (at applicable viscosity)	-	8 hrs	5 hrs	3 hrs

*Adequate ventilation must be continuously maintained during application and curing.

Precautions

- For recommendations outside those contained in this data sheet, refer to Wattyl.
- Epoxy coatings characteristically chalk or discolour on exterior exposure- this does not detract from their protective performance.

Product Compatibility

PRIMERS – N/A

TOPCOATS

- Galvit EP102
- Epinamel PR250
- Epinamel EB600
- Epinamel DTS680
- Epinamel DTM985

Storage and Packaging

- Shelf life at least 12 months.
- All components shall be stored in a dry internal environment at between 5°C and 35°C.
- Packaging: 16 litre kit (12 litre Part A, 4 litre Part B)
  8 litre kit (6 litre Part A, 2 litre Part B)
- Product line: 2014.

For the most up to date information, please visit our website at www.wattylpc.com.au, or contact us at Australia 132 101 (Australia) 0800 825 7727 (New Zealand).