

#### DESCRIPTION

- a two pack polyamide cured epoxy high build zinc phosphate sandable primer
- approved to APAS 2971
- conforms to AS/NZS 3750.13 Type 2 and 3

#### PRINCIPAL CHARACTERISTICS

- general purpose anticorrosive primer primarily for use on steel
- excellent adhesion to steel
- excellent flow and wetting properties
- excellent corrosion resistance
- cures at temperatures down to +5°C
- suitable for touching up of weld seams and damages of epoxy coatings during construction
- long recoating intervals are possible when overcoating with epoxy and polyurethane coatings
- can be overcoated with most alkyd, chlorinated rubber, epoxy, two component polyurethane and catalysed acrylic coatings
- not suitable for immersion
- cure with Epinamel EH100 Standard Part B or Epinamel EH120 Low Temperature (LT) Part B

#### COLOURS AND GLOSS

- Sand – semi gloss

#### RECOMMENDED FILM THICKNESS (PER COAT)

|  | Minimum | Maximum | Typical |
|--|---------|---------|---------|
| Dry film thickness microns                   | 75      | 200     | 75      |
| Wet film thickness microns                   | 125     | 325     | 125     |
| Theoretical spreading rate m <sup>2</sup> /l | 8.1     | 3.1     | 8.1     |

#### BASIC DATA AT 25°C

- solids content approx.....61% by volume
- mix ratio .....4A:1B by volume
- touch dry after .....1 - 2 hours (Epinamel EH100)
- full cure .....7 days (Epinamel EH100)  
.....3 days (Epinamel EH100)

#### SURFACE PREPARATION

- 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 2 ½ 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
- power tool clean in accordance with AS 1627.2 to St 2 minimum (AS 1627.9)
- wet blast clean to achieve a surface similar to Sa 2 ½ (AS 1627.9), profile 35-50 µm
- galvanised steel; lightly blast using an inert grit or power tool clean to achieve a roughened uniform flat appearance

##### ALUMINIUM, ZINCALUME<sup>®</sup>

- use Epinamel PR250, refer to data sheet P30.01

##### 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

#### APPLICATION INSTRUCTIONS

- mixing ratio by volume: 4A:1B
- mix Epinamel PR360ZPS Part A with Epinamel EH100 Standard (Std) Part B or Epinamel EH120 Low Temperature (LT) Part B
- induction time - none
- pot life at 25°C - 6 hours (Epinamel EH100). 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
- Valspar 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
- for recommendations outside those contained in this data sheet, refer to Valspar

#### APPLICATION METHODS

- **AIRLESS SPRAY**
  - recommended thinner ..... Thinner L760
  - volume of thinner ..... 0-5%
  - nozzle orifice approx. .... 0.46 mm  
(0.018 inch)
  - nozzle pressure ..... 15 MPa (2100 psi)
- **AIR SPRAY**
  - recommended thinner ..... Thinner L760
  - volume of thinner ..... 0-15%
  - nozzle orifice ..... 1.8-2.0mm
  - nozzle pressure ..... 0.3-0.4 MPa (50-60 psi)
- **BRUSH/ROLLER**
  - recommended thinner ..... Thinner L760
  - volume of thinner ..... 0-5%
  - The maximum dry film thickness that can be achieved when brushing/rolling is 50 microns
  - Multiple coats may be required to achieve the recommended dry film thickness
- **CLEANING SOLVENT** ..... Thinner L760
- If spraying for extended periods or if stopping work it is recommended to intermittently flush out spray lines.

#### 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
- 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

##### Overcoating Table

Overcoating interval for EpinameL PR360ZPS cured with EpinameL EH100 Standard Part B when top coating with compatible **two pack epoxy and polyurethane coatings**

| Interval | 5 °C   | 15 °C  | 25 °C  | 35 °C  |
|----------|--------|--------|--------|--------|
| Min      | 36 hrs | 10 hrs | 8 hrs  | 6 hrs  |
| Max*     | 3 mths | 3 mths | 3 mths | 2 mths |

\*Maximum overcoating interval is double the time stated above for coatings not exposed to direct sunlight

Overcoating interval for EpinameL PR360ZPS cured with EpinameL EH100 Standard Part B when top coating with compatible **Chlorinated rubber, alkyd and catalysed acrylic coating**

| Interval | 5 °C    | 15 °C   | 25 °C   | 35 °C  |
|----------|---------|---------|---------|--------|
| Min      | 16 hrs  | 6 hrs   | 5 hrs   | 3 hrs  |
| Max*     | 21 days | 14 days | 10 days | 5 days |

Overcoating interval for EpinameL PR360ZPS cured with EpinameL EH120 Low Temperature Part B when top coating with compatible **two pack epoxy and polyurethane coatings**

| Interval | 5 °C    | 15 °C   | 25 °C   | 35 °C  |
|----------|---------|---------|---------|--------|
| Min      | 8 hrs   | 5 hrs   | 3 hrs   | 2 hrs  |
| Max*     | 14 days | 14 days | 14 days | 7 days |

\*Maximum overcoating interval is double the time stated above for coatings not exposed to direct sunlight

Overcoating interval for EpinameL PR360ZPS cured with EpinameL EH120 Low Temperature Part B when top coating with compatible **Chlorinated rubber, alkyd and catalysed acrylic coating**

| Interval | 5 °C    | 15 °C  | 25 °C  | 35 °C  |
|----------|---------|--------|--------|--------|
| Min      | 6 hrs   | 4 hrs  | 2 hrs  | 1 hr   |
| Max*     | 10 days | 7 days | 5 days | 3 days |

- surface must be dry and free from chalking and contamination prior to overcoating. If overcoating interval is exceeded, the surface must be dry and free from chalking and contamination and sufficiently roughened

**Curing and Potlife Table**

**Epinamel PR360ZPS Cured with Epinamel EH100 Standard Part B**

| Paint temperature                     | 5 °C    | 15 °C   | 25 °C  | 35 °C  |
|---------------------------------------|---------|---------|--------|--------|
| Dry to handle                         | 6 hrs   | 3 hrs   | 2 hrs  | 1 hr   |
| Full cure                             | 21 days | 10 days | 7 days | 5 days |
| Potlife<br>(at application viscosity) |         | 10 hrs  | 6 hrs  | 3 hrs  |

**Epinamel PR360ZPS Cured with Epinamel EH120 Low Temperature Part B**

| Paint temperature                     | 5 °C   | 15 °C  | 25 °C  | 35 °C  |
|---------------------------------------|--------|--------|--------|--------|
| Dry to handle                         | 3 hrs  | 2 hrs  | 1 hr   | 45 min |
| Full cure                             | 9 days | 5 days | 3 days | 2 days |
| Potlife<br>(at application viscosity) |        | 6 hrs  | 3 hrs  | 1½ hrs |

- adequate ventilation must be continuously maintained during application and curing

**PRECAUTIONS**

- for recommendations outside those contained in this data sheet, refer to Valspar
- epoxy coatings characteristically chalk or discolour on exterior exposure- this does not detract from their protective performance. For exterior atmospheric coating systems requiring colour retention and resistance to chalking, topcoat with a suitable product. Such products may include Poly U400, Poly U750 or Paracryl IF540. Ensure the system is suitable for your intended application.

**PRODUCT COMPATIBILITY**

**Primers**

- Galvit EP100
- Galvit EP102
- Galvit ES510
- Galvit ES600

**Topcoats**

- Epinamel EB600
- Epinamel CF602
- Epinamel DTS680
- Epinamel NS808
- Epinamel MF920
- Epinamel DTM985
- Duranamel BR22
- Chem-Tuff
- Poly U400 (colours)
- Poly U750
- Paracryl IF540 (colours)
- SeaPro TC90 Tiecoat
- SeaPro TC170 Tiecoat

**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 20 Litre kit (16 Litre Part A, 4 Litre Part B), 5 Litre Kit (4 Litre Part A, 1 Litre Part B)
- product line: 2012

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