

DESCRIPTION

- a two pack polyamide cured epoxy primer for porous cementitious substrates

PRINCIPAL CHARACTERISTICS

- epoxy primer in protective coating systems for concrete substrates
- excellent flow characteristics to allow wetting and penetration of porous cementitious substrates
- can be recoated with two component coatings
- excellent water resistance
- excellent chemical resistance to spillage and splash
- resistant to impact and abrasion
- cure with Epinamel EH100 Standard Part B or Epinamel EH120 Low Temperature Part B

COLOURS AND GLOSS

- White - semi gloss

RECOMMENDED FILM THICKNESS (PER COAT)

	Minimum	Maximum	Typical
Dry film thickness microns	25	35	35
Wet film thickness microns	50	70	70
Theoretical spreading rate m ² /l	20.4	14.6	14.6

BASIC DATA AT 25 °C

- solids content approx..... 51% by volume
- mix ratio 3A:1B by volume
- touch dry after 30 minutes
- full cure 7 days (Epinamel EH100)
3 days (Epinamel EH120)
- temperature resistance 125 °C (dry), 35 °C (wet)

SURFACE PREPARATION

CONCRETE

- must be free from bond breakers, curing agents or any other contaminants that may interfere with adhesion
- blast clean to remove all laitance
- acid etch to remove all laitance (atmospheric exposure only)
- ensure all new concrete is fully cured prior to coating. Typically this may take a minimum of 4-6 weeks.
- moisture content of concrete should be max. 4%
- substrate temperature must be above 10°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 Epinamel CP502 Part A with Epinamel EH100 Standard (Std) Part B or Epinamel EH120 Low Temperature (LT) Part B only
- 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 0-20%
 - nozzle orifice approx. 0.33mm
(0.013 inch)
 - nozzle pressure 15 Mpa (2100 psi)
- **AIR SPRAY**
 - recommended thinner Thinner L760
 - volume of thinner 0-20%
 - nozzle orifice approx. 1.8-2.0mm
 - nozzle pressure 0.3-0.4 MPa (50-60 psi)
- **BRUSH/ROLLER**
 - recommended thinner Thinner L760
 - volume of thinner 0-10%
 - The maximum dry film thickness that can be achieved when brushing/rolling is 35 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 CP502 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 CP502 cured with EpinameL EH100 Standard Part when top coating with compatible **alkyd and catalysed acrylic coatings**

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 CP502 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	2 hrs	1.5 hrs	1 hrs	30 mins
Max*	16 days	16 days	16 days	7 days

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

- 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 CP502 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 (at application viscosity)		10 hrs	6 hrs	3 hrs

EpinameL CP502 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 (at application viscosity)		6 hrs	3 hrs	1½ hrs

- adequate ventilation must be continuously maintained during application and curing
- when using EpinameL EH120 Part B for immersion applications the full cure times applicable for EpinameL EH100 Part B must be observed

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.

PRODUCT COMPATIBILITY

Primers

- Apply direct to suitable substrate

Topcoats

- Epinamel CF602
- Epinamel EB600
- Epinamel DTS680
- Epinamel DTM985
- Epinamel TL710
- Epinamel TL770SF
- Poly U400 (colours)
- Poly U750
- Paracryl IF540 (colours)

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)
- product line: 2005



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ISO 9001

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WEBSITE**

**Australia
132 101
www.wattylpc.com**

**New Zealand
0800 735 551
www.wattylpc.com**

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