

DESCRIPTION

- ultra high build, solvent free two pack amine cured epoxy coating
- conforms to AS/NZS 3750.2 Type 1

PRINCIPAL CHARACTERISTICS

- single coat protection for wharf piles, wharf decking or other structures
- can be applied to existing piling between tides or for new work
- can be exposed to water immersion shortly after application
- suitable for immersion in fresh and salt water
- can be applied at dft up to 1500 microns by single feed 60:1 airless spray equipment
- solvent free, eliminates risk of explosion or fire
- suitable with well designed cathodic protection systems

COLOURS AND GLOSS

- black, gloss

RECOMMENDED FILM THICKNESS (PER COAT)

| | Minimum | Maximum | Typical |
|----------------------------------------------|---------|---------|---------|
| Dry film thickness microns | 500 | 1500 | 1000 |
| Wet film thickness microns | 500 | 1500 | 1000 |
| Theoretical spreading rate m ² /l | 2.0 | 0.7 | 1.0 |

BASIC DATA AT 25 °C

- solids content approx.....100% by volume
- mix ratio4A:1B by volume
- touch dry after10 hours
- full curerefer to curing table for details
- temperature resistance100 °C (dry), 35 °C (wet)

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 2½ minimum (AS 1627.9), surface profile 50-100 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

CONCRETE

- must be free from bond breakers, curing agents or any other contaminants that may interfere with adhesion
- should be blast cleaned to remove all laitance; moisture content should be maximum 4%
- ensure all new concrete is fully cured prior to coating. Typically this may take a minimum of 4-6 weeks

PREVIOUS SUITABLE COAT

- dry and free from any contamination and sufficiently roughened if necessary
- substrate temperature must be at least 5 °C during application and curing and at least 3 °C above dew point
- relative humidity should not exceed 85%
- exposure to unacceptably low temperatures and/or high humidity during, or immediately after, application may result in incomplete cure and surface contamination that could adversely affect subsequent intercoat adhesion

APPLICATION INSTRUCTIONS

- mix ratio by volume: 4A:1B
- mix Epinamel UHB1000 Part A with Epinamel UHB1000 Part B only
- induction time – none
- pot life at 25 °C 40 minutes. 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 at least 20 °C
- mixed product with a temperature below 20 °C will be too high in viscosity to spray
- product must not be thinned
- additional stripe coat to be brush applied to edges, holes, corners and welds before application of the next full coat
- 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**

- use single feed airless spray unit with pump ratio 60:1 or 68:1
- use minimum 10 mm (3/8") diameter high pressure fluid hose, max length 15 m
- inline heating or insulated hoses may be necessary to avoid cooling down at low temperatures
- application with 45:1 pump ratio is possible provided in-line heated high pressure fluid hoses are used and the mixed paint is heated to 30°C to reduce viscosity
- recommended thinner **do not thin**
- nozzle orifice approx. 0.53-0.66mm (0.021-0.026 inch)
- nozzle pressure min 28 MPa (4000 psi) at paint temperature of 20°C min 22 MPa (3200 psi) at paint temperature of 30°C

• **AIR SPRAY**

- not recommended

• **BRUSH/ROLLER**

- For spot repair and stripe coating only
- recommended thinner **do not thin**
 - The maximum dry film thickness that can be achieved when brushing/rolling is 150 microns
 - Multiple coats may be required to achieve the recommended dry film thickness

• **CLEANING SOLVENT**..... Thinner L760

- all paint must be removed from the spray equipment immediately after use. Clean thoroughly with the recommended solvent before the pot life expires

SAFETY PRECAUTIONS

- 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

Wet/dry film thickness

- product thixotropy and surface tension will retard the release of entrapped air after application and may result in a deviation between the wet film thickness (wft) measured immediately after application and the dry film thickness (dft) of the cured coating
- to ensure that the correct specified dft is achieved it is recommended that applied wft is equal to the specified dft plus 60 microns
- when measuring the dft in the early stages of cure it is recommended that a calibration shim of a

- known thickness be placed between the film thickness gauge and the surface of the coating to avoid penetration into the soft coating

Overcoating Table

Overcoating interval for Epiname UHB1000 when top coating with itself

| Interval | 5 °C | 15 °C | 25 °C | 35 °C |
|----------|---------|---------|---------|---------|
| Min | 3 days | 2 days | 1 day | 1 day |
| Max | 28 days | 21 days | 14 days | 14 days |

- suitable for application between tides, allow 30 minutes set up time before immersion
- coating will continue to cure when immersed in water
- premature exposure to water may cause colour or gloss change but will not affect the coating performance
- 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

| Paint temperature | 5 °C | 15 °C | 25 °C | 35 °C |
|-------------------|---------|---------|--------|--------|
| Dry to Handle | 3 days | 2days | 24 hrs | 12 hrs |
| Full Cure | 15 days | 10 days | 5 days | 3 days |

- adequate ventilation must be continuously maintained during application and curing
- due to an exothermic reaction the temperature of the product may increase during and after mixing

Potlife Table

| Paint temperature | 20 °C | 25 °C | 30 °C |
|------------------------------------|---------|---------|---------|
| Potlife (at application viscosity) | 50 mins | 40 mins | 30 mins |

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

- n/a

Topcoats

- Epinamel UHB1000

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 (12.8 Litre Part A, 3.2 Litre Part B)
- product line: 2003



Quality
ISO 9001

Valspar is committed to quality in the design, production and delivery of its products and services. Valspar's Australian manufacturing facilities quality management systems are certified to ISO9001.

Valspar's laboratory facilities are accredited for technical competence with the National Association of Tests Authorities, Australia (NATA) and comply with the requirements of ISO/IEC 17025. Accreditation No.104 (Footscray), 1154 (Glendenning) and 931 (Kilburn).



For the most up to date information contact Valspar Customer Service Hotline or visit the Wattyl Website.

CUSTOMER SERVICE HOTLINE
WEBSITE

Australia
132 101
www.wattylpc.com

New Zealand
0800 735 551
www.wattylpc.com

Trademarks are the property of Valspar Paint (Australia) Pty Ltd.

1. This information, provided by Valspar Paint (Australia) Pty Ltd (hereinafter referred to as "Valspar"), is important to ensure that the listed product(s) perform according to the stated application and uses and must be followed to meet Valspar's warranties express and implied. Valspar advises that you (a) review the Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) before you use or handle the product; (b) ensure that the product be used only in accordance with the information provided by Valspar and the product(s) be transported, stored and handled in accordance with the information on the MSDS and relevant TDS; and (c) thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product. 2. The information in this TDS was prepared using information gathered during product development. While Valspar endeavours to update this information and maintain the accuracy and currency of its contents, Valspar does not warrant that the information provided is current when the product is used or is wholly comprehensive. 3. For all product and non-product related information, Valspar recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest Valspar office before using the product(s). 4. To the full extent permitted by law, Valspar's liability for breach of a condition or warranty implied into the contract for sale between Valspar and you by law is limited at Valspar's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product. If coating rectification is required Valspar Technical Services shall be contacted prior to commencement. VALSPAR PAINT (AUSTRALIA) PTY LTD (ABN 40 000 035 914)