

# enviro epoxy B

## Solvent Free Epoxy Resin Primer, Binder & Coating



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### Description

Enviro Epoxy B is 100% Solids, solvent free, low viscosity, heavy duty, chemically resistant, 2-component epoxy resin. Enviro Epoxy B once applied, produces a hard wearing, durable surface suitable for commercial and industrial applications. This system performs well in the most demanding environments.

### Advantages

- Very Low VOC Content
- Chemical Resistance
- Long Durability
- Anti-Microbial Formulation
- Mechanically resistant
- Non Flammable

### Uses

- Food Production & Processing
- Dairy, Sugar & Textile Production
- Water Treatment & Supply
- Commercial Kitchens & Laundries
- Waste Water Treatment
- Warehouse Floors
- Chemical Production
- Ports and Marine
- Health Care

### Physical Properties

Enviro Epoxy B is supplied as 2 part solvent free epoxy system. Part A: Base, Liquid Part B: Hardener, Liquid

- |                         |                       |                     |                 |
|-------------------------|-----------------------|---------------------|-----------------|
| • Solids content        | 100%v/v               | • Mix Ratio         | 3A:1B vol/vol   |
| • Working time          | 40min at 25°C         | • Tack free time    | 6 hours at 25°C |
| • Recoat time           | 16 – 48 hours at 25°C | • Tensile strength  | 16 MPa          |
| • Compressive strength  | 80 MPa                | • Flexural strength | 17 MPa          |
| • Tensile bond strength | 3.5 MPa               | • Cure Time         | 2 days at 25°C  |
| • Shelf Life            | 2 years               | • Very low VOC      |                 |

### Application Directions

#### Substrate Preparation

The surface must be clean and sound. Free from all loose particles, including dust, all laitance, greases, coatings, curing compounds, or any other foreign matter. The substrate must be prepared by way of degreasing, grinding or captive shot blasting to expose the aggregate and provide a profile. Allow floor to dry if degreasing has been carried out, before applying Enviro Epoxy B.

#### Priming

Priming may be required in certain circumstances. If required apply Enviro Epoxy B at a rate of 5 – 8m<sup>2</sup>/L. Refer to Enviro Systems for specific recommendations.

#### Mixing

Add Part B, liquid hardener to the Enviro Epoxy B Part A base. Mix using slow speed mechanical mixing equipment with suitable mixing paddle attached. Mix for 5 minutes or until uniform.

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## Application Directions (cont)

### Application

Enviro Epoxy B can only be applied using a brush or roller. Apply one coat of Enviro Epoxy B to achieve a minimum Dry Film Thickness (DFT) of 150 microns. Broadcast selected aggregate onto the Enviro Epoxy B to achieve extra mechanical adhesion for top coats. Remove excess aggregate prior to proceeding with additional coats. Enviro Epoxy B can also be used as a primer/binder for a wide variety of systems such as Enviro Epoxy TC, Enviro Epoxy RC, Enviro Epoxy WB and also polyurethane and acrylic membranes. Refer to appropriate data sheet for application recommendations.

### Estimating Data (Theoretical)

The consumption of Enviro Epoxy B will depend upon substrate condition or type. As a guide: One 16 ltr kit of Enviro Epoxy B will cover approximately 80 – 100m<sup>2</sup>, based on achieving a coating of 125 – 200 microns Dry Film Thickness)

### Packaging

Enviro Epoxy B is supplied in 16 ltr and 4 ltr kits proportioned ready for mixing.

### Chemical Resistance

Enviro Epoxy B is resistant to a large range of chemicals and is suitable for most dilute acids and alkalis. Contact Waterproofing Technologies for recommendations on specific applications.

### Curing

Enviro Epoxy B generally can be recoated after allowing to cure overnight. Floors can be open to pedestrian traffic generally 24 hours after curing of the final coat. Vehicular traffic after 3 days. The coating must be allowed to cure for 7 days at 25°C, before being subjected to chemicals.

### Cleaning

Enviro Epoxy B should be removed from all tools and equipment, prior to hardening with Enviro Thinners No.1 or MEK. Observe all OH&S and MSDS information pertaining to safe usage and handling of solvents. Cured material can only be removed mechanically.

### Shelf Life

Enviro Epoxy B can be stored in its original sealed containers for 24 months in controlled environments.

### Safety Advice

Enviro Epoxy B contents are considered non-flammable. Always provide adequate ventilation and wear appropriate Personal Protection Equipments (PPE) during use. Avoid contact with skin. Avoid breathing vapour. Wear protective eyewear. If swallowed, DO NOT induce vomiting, have plenty of water and milk. Seek immediate medical advice. Wash off splashed material with clean water and soap. If irritation occurs seek medical advice. Refer to MSDS.

**KEEP OUT OF REACH OF CHILDREN.**



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### Statement of Responsibility

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

### Note:

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