



Enviro Epoxy B

Solvent Free Epoxy Resin Primer, Binder & Coating



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 and is resistant to a large range of chemicals and is suitable for most dilute acids and alkalis.

FEATURES

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

TYPICAL USES

With its heavy-duty wear and chemical resistance, Enviro Epoxy B can be used in all facets of industry. From residential to high end commercial application, it is most typically applicable to;

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

PHYSICAL PROPERTIES

Solids Content	100%
Mix Ratio (A:B)	3:1 (v/v)
Pot Life at 25°C with accelerator	40 mins
Tack Free Time at 25°C	6 hours
Recoat Time at 25°C	16 - 48 hours
Tensile Strength	16 MPa
Compressive Strength	80 MPa
Flexural Strength	17 MPa
Tensile bond strength	3.5 MPa
Cure Time at 25°C	2 days
Shelf Life	2 years

SUBSTRATE PREPARATION

The surface must be clean, sound and free from all loose particles, including dust, laitance, grease or any other foreign matter. The substrate must be prepared by way of grinding or captive shot blasting to provide a suitable profile.

For further information on substrate preparation or for project specific advice, please consult EnviroSystems.

customerservice@envirosystems.com.au

PRIMING

Priming may be required in certain circumstances. If required apply Enviro Epoxy B at a rate of 5-8m²/L.

NOTE: For further information on applications that may require priming or for project specific advice, please consult EnviroSystems.

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MIXING

Add Part B, liquid hardener, to the Enviro Epoxy B Part A base. Enviro Epoxy B should be thoroughly mixed with a mechanical mixer at low speed with a suitable mixing paddle attached. Mix for 5 minutes or until uniform.

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 SL, Enviro Epoxy RC, Enviro Epoxy WB and also polyurethane and acrylic membranes. Refer to appropriate data sheet for application recommendations.

For further information regarding application of Enviro Epoxy B or for project specific advice please consult EnviroSystems.

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RECOAT

Enviro Epoxy B generally can be recoated after allowing to cure overnight.

CURE

Floors coated with Enviro Epoxy B can be open to pedestrian traffic generally 24 hours after curing of the final coat, and vehicular traffic after 3 days.

NOTE: The coating must be allowed to cure for 7 days at 25°C, before being subjected to chemicals.

COVERAGE

The consumption of Enviro Epoxy B will depend on the type of substrate and its condition.

Recommendations for External Applications 150µm
Dry Film Thickness – 0.16L/m²

PACKAGING & COLOURS

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

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 Safety Data Sheet 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 up to 24 months when placed in a cool controlled environment. Once opened and resealed for later use, the shelf life could vary depending on storage conditions. Always check product quality before using after prolonged periods of storage. If under, please contact EnviroSystems for advice.

HEALTH & SAFETY ADVICE

Enviro Epoxy B is non-hazardous according to Safe Work Australia criteria, however, as a precaution, always provide good ventilation when applying. Wash off splashes of material with clean water, wear gloves and eye protection. If irritation is experienced seek medical advice. Refer to the Safety Data Sheet for full safety and handling procedures.

NOTE: Safety Data Sheets are available upon request by emailing customerservice@envirosystems.com.au

We're here to help you!

It is a good idea to keep a journal of your waterproofing job, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

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environmentally responsible technology

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