



Enviro Epoxy B-LV

Solvent Free, Non-Sag, Epoxy Mortar Binder



DESCRIPTION

Enviro Epoxy B-LV is 100% solids, solvent free, low viscosity, chemical resistant, 2-component epoxy resin. Enviro Epoxy B-LV can be used as a primer over dense concrete, as a bonding agent for both epoxy resin systems and cementitious, mortars and as a crack injection material.

FEATURES

- Very Low VOC
- Abrasion Resistant
- Anti-Microbial Formulation
- Very Low Viscosity
- Long Term Durability
- Chemical Resistance
- Non-Flammable
- Excellent Adhesion to Dry, Damp and/or Dense Surfaces

TYPICAL USES

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

- Primer for Dense concrete
- Primer for Damp Substrates
- Concrete Repair Primer
- Primer for Trafficable Epoxy Systems
- Mortar to Mortar Bonding
- Creak Injection Resin
- Epoxy Mortar
- Primer for Polyurethane Membranes

PHYSICAL PROPERTIES

Solids content	100%
Mix Ratio (A:B)	2:1 (v/v)
Working time	40 min at 25°C
Tack free time	6 hours at 25°C
Recoat time	16-48 hours at 25°C
Tensile strength	16MPa
Compressive strength	40 MPa
Hard Dry	16 hours at 25°C
Tensile bond strength	>3MPa
Cure Time	7 days at 25°C
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 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-LV.

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

customerservice@envirosystems.com.au

PRIMING

Enviro Epoxy B-LV should be applied by brush or roller. Applications of excessive build should be avoided and material must not be allowed to pool on the substrate surface.

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

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RESIN INJECTION

The crack should be blown out with an angle grinder. Enviro Epoxy BLV can be used with both high and low-pressure injection equipment.

MIXING

Add Part B, liquid hardener, to the Enviro Epoxy B-LV Part A base. Enviro Epoxy B-LV 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-LV 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 75 microns. Broadcast selected aggregate onto the Enviro Epoxy B-LV to achieve extra mechanical adhesion for top coats. Remove excess aggregate prior to proceeding with additional coats. Enviro Epoxy B-LV 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-LV or for project specific advice please consult EnviroSystems.

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RECOAT

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

CURE

Floors coated with Enviro Epoxy B-LV 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-LV will depend on the type of substrate and its condition.

Recommendations for External Applications

75µm Dry Film Thickness – 0.075L/m² (13.3m²/L)

PACKAGING & COLOURS

Enviro Epoxy B-LV is supplied as a 2-part solvent free epoxy system supplied in 18L (Part A 12L, Part B 6L (and 3L (Part A 2L, Part B 1L) kits proportioned ready for mixing.



Part A: Base, Liquid

Part B: Harder, Liquid

CLEANING

Enviro Epoxy B-LV 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-LV 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-LV 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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