

Enviro Epoxy SL

HIGH PERFORMANCE, SELF LEVELLING FLOORING SYSTEM

Enviro Epoxy SL is a solvent free, non-shrink, hard wearing, easy to clean, self-levelling floor system. Enviro Epoxy SL is a seamless, chemically resistant, four component epoxy resin system suitable for commercial, industrial and residential vehicular and pedestrian traffic.

FEATURES AND BENEFITS

- Fast application
- Solvent free
- 100% waterproof
- Seamless
- Very low voc
- Trafficable
- Resistance to bacterial growth
- Chemically resistant
- Prepacked and proportioned
- Excellent abrasion resistance
- Excellent durability

APPLICATION SOLUTIONS

Enviro Epoxy SL is available in a selected colour range for high performance, chemical resistant applications.

- Plant rooms
- Hospitals and medical facilities
- Food processing facilities
- Warehouses
- Supermarkets
- Car dealerships and showrooms
- Laboratories
- TV studios
- Breweries
- Pharmaceuticals

PRODUCT INFORMATION

Packaging: Enviro Epoxy SL is supplied as a pre proportioned 4 component flooring system. Enviro Epoxy SL kit size is 21kg = 11.42L.

Part A (liquid): Base

Part B (liquid): Hardener

Part C (filler): Aggregate

Part D (paste): Colour pack (optional).

NOTE: Enviro Epoxy SL is available in a selected colour range for high performance, chemical resistant applications.

Shelf life: Enviro Epoxy SL can be stored in its original sealed containers for 24 months in controlled environments.

Always check product quality before using after prolonged periods of storage. If under, please contact Envirosystems for advice.

CLEANING

Enviro Epoxy SL should be removed from all tools and equipment prior to hardening with Enviro Thinner No.1 or Thinner No.7.

Observe all OH&S and MSDS information pertaining to safe usage and handling of solvents. Cured material can be only removed mechanically.



FLOORING



Directions for Use

SUBSTRATE PREPARATION

The surface must be clean, and free from all loose particles including dust, laitance, grease, and 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 suitable profile.

Allow floor to dry if degreasing has been carried out before applying Enviro Epoxy SL System.

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

PRIMING

Apply 1 coat of Enviro Epoxy B-LV to prepared substrate at a rate of 8 - 10m²/L. Allow Epoxy B-LV to fully cure and ensure no pinholes exist before top coating with Enviro Epoxy SL.

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

MIXING

All mixing to be carried out by mechanical means.

Step 1. Add Part A to a suitable clean mixing vessel (If using a colour pack, ensure colour pack is added to Part A and mixed well until uniformly dispersed through Part A).

Step 2. Slowly add Part C (aggregate) to the vessel and mix well.

Step 3. While continually mixing, slowly add the Part B and mix for approximately 2 minutes after final addition of filler to ensure a homogeneous, uniform mix.

NOTE: Mix only sufficient materials as can be applied in the specified work time.

APPLICATION

Enviro Epoxy SL can be applied with a notched or flat trowel. Spread evenly over the prepared surface to a minimum 2mm thickness.

Consolidate with a spiked roller to remove any trapped air.

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

CURING

Pedestrian Traffic: 24 hours

Vehicle Traffic: 48 hours

COVERAGE

The consumption of Enviro Epoxy SL will depend on the type of substrate, its condition and the required final dry film thickness.

Minimum recommendations for internal applications: 1.0mm Dry Film Thickness for floors – 1.0L/m².

Product Data

PHYSICAL PROPERTIES

| PROPERTY | |
|-----------------------|--------------------------------------|
| Compressive Strength | 90MPa |
| Flexural Strength | 30MPa |
| Bond Strength | >2.5MPa (concrete failure) |
| Packaging | Pre-proportioned, 4 Component System |
| Modulus of Elasticity | 15GPa |
| Work Time | 20 minutes @ 25°C |
| Foot Traffic | 24 hours |
| Vehicle Traffic | 48 hours |
| Final Cure | 7 days @ 25°C |
| Shelf Life | 24 months |

CHEMICAL RESISTANCE

Enviro Epoxy SL is resistant to a large range of chemicals, including:

- ⌚ 20% Hydrochloric acid
- ⌚ 20% Sulphuric acid
- ⌚ 20% Nitric acid
- ⌚ 10% Acetic acid
- ⌚ 5% Lactic acid
- ⌚ 20% Phosphoric acid
- ⌚ 30% Sodium hydroxide
- ⌚ 10% Methanol
- ⌚ Ammonium solution
- ⌚ Isopropyl alcohol
- ⌚ Trichloroethylene
- ⌚ Milk
- ⌚ Ethyl acetate
- ⌚ Hexane
- ⌚ Blood
- ⌚ Sugar
- ⌚ Soya bean oil
- ⌚ Motor oil
- ⌚ Flour



Contact Envirosystems

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HEALTH & SAFETY ADVICE

Enviro Epoxy SL 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.

KEEP OUT OF REACH OF CHILDREN

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 a general nature, no assumption can be made as to a product's suitability for a particular use of application and no warranty as to 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: Field service where provided, does not constitute supervisory responsibility. Suggestions made by Envirosystems either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Envirosystems are responsible for carrying out procedures appropriate to a specific application.

NOTE: All products manufactured by Envirosystems comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.