

enviro epoxy SL

High Performance Self Levelling Flooring System



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Description

Enviro Epoxy SL is a solvent free, non shrink, hard wearing, easy to clean, self levelling floor system.

Enviro Epoxy SL is seamless chemically resistant three component epoxy resin system suitable for commercial, industrial and residential vehicular and pedestrian traffic.

Advantages

Fast Application
Chemically Resistant
Seamless
Excellent Durability

Resistance to Bacterial Growth
100% Waterproof
Excellent Abrasion Resistance

Solvent Free
Pre Packed & Proportioned
Very low VOC
Trafficable

Uses

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

Typical Uses

Plant Rooms
Laboratories
Warehouses
Hospitals

Showrooms
Food Processing Facilities
Breweries
Car Dealerships

Medical Facilities
TV Studios
Supermarkets
Pharmaceuticals

Physical Properties

Enviro Epoxy SL is supplied as a pre proportioned 3 component flooring system. Part A (liquid): Base, Part B (liquid): Hardener, Part C (filler): Aggregate, Part D (paste): Colourpack.

Compressive Strength 90MPa	Flexural Strength 30MPa
Shelf Life 24 months	Foot Traffic 24 hours
Vehicle Traffic 48 hours	Impact Strength >18 joules
Work Time 20 mins @ 25°C	Bond Strength >2.5MPa (concrete failure)
Final Cure 7 days @ 25 °C	Modulus of Elasticity 15GPa

Chemical Resistance

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	

Application Directions

Substrate Preparation

The surface must be clean and free from all loose particles including dust, 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 suitable profile. Allow floor to dry if degreasing has been carried out before applying Enviro Epoxy SL system.

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.

Mixing

All mixing to be carried out by mechanical means. 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). Slowly add Part C (aggregate) to the vessel and mix well. 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.

Application

Mix only sufficient materials as can be applied in the specified work time. Enviro Epoxy SL can be applied with a notched or flat trowel. Spread evenly over the prepared surface to a minimum 2mm thickness. Over roll with spiked roller to remove any trapped air.

Joints

All joints to be filled with a suitable sealant to suit the intended use and chemical conditions of the floor.

Estimating Data & Packaging

Enviro Epoxy SL is supplied as a 22kg (approximately 11.2L) kit proportioned for use and will cover approximately 5.7m² at 2mm.

Curing

Pedestrian Traffic – 24 hours and Vehicle Traffic – 48 hours

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.

Shelf Life

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

Safety Advice

Enviro Epoxy SL contents are considered non-flammable. Always provide adequate ventilation and wear appropriate Personal Protection Equipment (PPE) during use. Avoid breathing vapours. Avoid contact with skin. If swallowed, DO NOT induce vomiting, give glass of water and seek immediate medical advice. If contact with skin, wash off splashes of material with clean water and soap. If irritation occurs seek immediate medical advice. Refer to MSDS.

KEEP OUT OF REACH OF CHILDREN



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Statement of Responsibility

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Note:

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