

Enviro Epoxy WB

WATER BASED EPOXY COATING

Enviro Epoxy WB is a 2-part, water-based epoxy coating offering excellent chemical and wear resistance. Epoxy WB can be used in all environments including commercial, industrial and residential.

FEATURES AND BENEFITS

- Easy 2 coat application
- High build
- Non-flammable
- Very low VOC content
- Long durability
- Chemical resistance
- Factory tinted to Koala Grey
- Fast curing

APPLICATION SOLUTIONS

- Food production
- Commercial kitchen and laundries
- Waste water treatment
- Water treatment and supply
- Dairy, sugar and textile production
- Internal car parks
- Chemical production
- Warehouse floors
- Mining industry
- Residential garage floors

PRODUCT INFORMATION

Packaging: Enviro Epoxy WB is supplied in pre-proportioned 8L kits. Part A is 6L and part B is 2L. When mixing entire kits, the Part A container can be used as the mixing vessel by simply pouring the entire Part B into Part A.

Shelf life: Enviro Epoxy WB can be stored in its original sealed containers for 12 months in controlled environments. Always check product quality before using after prolonged periods of storage. If under, please contact Enviro systems for advice.

COVERAGE

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

Recommendations for external applications: 150µm Dry Film Thickness – 0.25L/m²

COVERAGE RATE

	LITRES/m ² FOR EACH COAT	m ² /8L KIT FOR EACH COAT	WFT/COAT	NUMBER OF COATS	FINISHED DFT (2 COATS)
Coverage	0.12	67	120µm	2	150µm

CLEANING

Enviro Epoxy WB should be removed with water from all tools and equipment, prior to hardening. Cured material can only be removed mechanically.



FLOORING



Directions for Use

SUBSTRATE PREPARATION

All defective host substrate must be removed prior to application. Defective material includes cracked or structurally weakened surfaces and chloride contaminated and carbonated concrete. A concrete corrosion expert must be consulted for critical projects or structural applications. The surface must be dry, clean, sound and free from all loose particles, including dust, laitance grease or any other foreign matter. Shot-blasting, scarification, mechanical chipping or high-pressure water blasting may be used to achieve a recommended minimum CSP3 surface finish.

All surfaces must be dry, free of dust, oils, and surface contaminants. This may require steam cleaning or high-pressure water blasting. Enviro Epoxy WB is suitable for use over the following substrates:

- New concrete - cured for min. 28 days
under 4.5% moisture (gravimetric method)
- Concrete blockwork - cured for min. 28 days
- Renders and screeds - cured for min. 7 days
under 4.5% moisture (gravimetric method)
- Compressed fibre cement (min. 15mm)
- Plasterboard walls - wet area grade only (min. 10mm)
- Masonry and stone surfaces

NOTE: Substrate moisture content measured using gravimetric testing. As measured using Tramex CME 4 Moisture Meter.

PRIMING

Enviro Epoxy WB is a self-priming product; no additional priming coat is required.

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

MIXING

Enviro Epoxy WB is supplied as a 2-part epoxy system supplied in 8L kits proportioned ready for mixing. Add Part B, liquid hardener, to the Enviro Epoxy WB Part A base. Enviro Epoxy WB should be thoroughly mixed with a mechanical mixer at low speed with a suitable mixing paddle attached. Mix for 5 minutes or until uniform with a mechanical mixer at low speed (less than 400 RPM) prior to application.

APPLICATION

Mix only sufficient material as can be applied within work time specified. Enviro Epoxy WB can be applied by brush, roller or spray in 2 coats to a minimum dry film thickness of 150µm. To achieve a non-slip finish, broadcast selected aggregate onto 1st wet coat and allow to cure.

Remove excess/unbound aggregate prior to applying the 2nd coat of Enviro Epoxy WB.

For further information regarding application of Enviro Epoxy WB or for project specific advice, please consult Enviro systems.

CURE

Curing of Enviro Epoxy WB is dependent on various factors such as temperature, relative humidity, air circulation, film thickness and substrate conditions. As a general rule, Enviro Epoxy WB can be recoated after 2 hours and open to pedestrian traffic in as little as 6 hours. Vehicular traffic is recommended after 5 days. The coating must be allowed to cure for 5 days at 25°C, before being subjected to chemicals.

Product Data

PHYSICAL PROPERTIES

PROPERTY	
Solids Content	61 - 63% volume
Dust Free Time	30 mins @ 25°C
Overcoating Window	5 hours min. - 24 hours max
Pot Life	45 minutes @ 25°C
Full Cure Time	5 days @ 25°C
Mix Ratio	3:1 by volume 100:27 by weight
Colour	Koala Grey
Specific Gravity	1.3
Gloss Level	Satin
Application Temperature	+10 to +35°C substrate temperature



Contact EnviroSystems

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HEALTH & SAFETY ADVICE

Enviro Epoxy WB 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

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.