



# Enviro Epoxy RC

## High Build Epoxy Coating



### DESCRIPTION

Enviro Epoxy RC is a high build, chemically resistant, heavy duty, two component epoxy resin system. Enviro Epoxy RC once applied produces a hard wearing, durable surface suitable for commercial/industrial vehicular and pedestrian traffic. This system also performs well in demanding chemical environments.

### FEATURES

- Easy 2 Coat Application
- High Build System
- Heavy Duty
- Very Low VOC
- Long Durability
- Chemical Resistance
- Colour Pack System
- Damp Substrate Compatibility

### TYPICAL USES

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

- Garbage Rooms
- Plant Rooms
- Car Parks
- Balconies
- Kitchens
- Outdoor Areas
- Garages
- Chemical Storage Areas

### PHYSICAL PROPERTIES

Enviro Epoxy RC is supplied as a 2-Part high build epoxy coating.

**Part A:** Base, liquid

**Part B:** Hardener, liquid (colour pack required)

Solids Content	85% (v/v)
Mix Ratio	1A:1B (v/v)
Pot Life at 25°C	40 mins
With accelerator	20 mins
Tack Free Time at 25°C	4 hours
Recoat Time at 25°C	8 hours
Cure Time at 25°C	7 days
Shelf Life	2 years

### SUBSTRATE PREPERATION

The surface must be clean, and free from all loose particles, including dust, all laitance, grease, coatings and curing compounds. Degreasing, grinding and/ or captive shot blasting are required to provide a surface profile. Allow floor to dry if degreasing has been carried out, before applying Enviro Epoxy RC.

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

[customerservice@envirosystems.com.au](mailto:customerservice@envirosystems.com.au)

### PRIMING

Apply first coat of Enviro Epoxy RC as a primer (diluted 10-15% with Enviro Thinner No.1) if substrate is in good condition. The level of Enviro Thinner No.1 required will depend on conditions, application equipment and surface porosity. For poor substrates apply one coat of Enviro Epoxy B-LV or an additional coat of diluted Enviro Epoxy RC and allow to dry.

### MIXING

When using a colour pack add to **Part A** and mechanically mix until uniform. Add **Part B** and re-mix until components are uniformly mixed. Colour Packs Ratios: 1 pack for the 7.25L Kit and 2 for the 14.5 L.





## APPLICATION

Mix only enough material that can be applied within work time specified. Enviro Epoxy RC can be applied by brush, roller and spray in 2 coats to a minimum dry film thickness of 250 µm.

At low temperatures, add Enviro Epoxy Accelerator to maintain normal curing times. 200ml of Enviro Epoxy Accelerator should be added for every 8L of mixed Epoxy RC. Accelerator should only be added to mixed Part A and Part B and mixed until uniform.

To achieve a non-slip finish, broadcast selected aggregate onto first wet coat and allow curing. Remove excess prior to applying a second coat. A satin finish can be achieved by omitting aggregate.

**NOTE:** For further information regarding application of Enviro Epoxy RC or for project specific advice please consult Enviro Systems.

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## COVERAGE

The coverage of Enviro Epoxy RC will depend upon the weather, type of substrate and its condition. When prepared and primed in accordance with the instructions above, the following average coverage rates should be expected.

<b>Application</b>	125µm Dry Film Thickness – 5.4m <sup>2</sup> /litre
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Practical coverage is approx 43m<sup>2</sup> per 16L kit when applying 2 coats at 125 DFT microns per coat.

## CURING

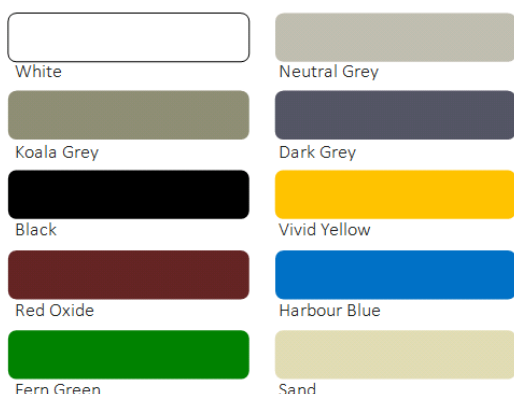
Enviro Epoxy RC generally can be recoated after allowing curing overnight. Floors can be open to pedestrian traffic generally 24 hours after curing of the final coat and vehicular traffic after 3 days.

**NOTE:** The coating must be allowed to cure for 7 days at 24°C, before being subjected to chemicals.

## PACKAGING & COLOURS

Enviro Epoxy RC is supplied in 7.25 L and 14.5 L kits, proportioned ready for mixing. Colour Packs supplied in 750ml pails and are available in a range of colours.

Made to order colours available upon request. Please allow 10 working days for made to order colours. One 750ml colour pack is required for every 7.25 L of Enviro Epoxy RC.



## CHEMICAL RESISTANCE

Enviro Epoxy RC is resistant to a large range of chemicals. Guide of resistance to chemical spillages is as follows:

- Sulphuric Acid 30%
- Xylene
- Sodium Hydroxide 30%
- Sodium Chloride
- Sodium Hypochlorite 16%
- Ammonia Solution
- Volatile Hydrocarbon Solvents
- Skydrol
- Acetic Acid 15%
- 20% phosphoric acid
- Hydrochloric Acid
- Kerosene
- Diesel and Petrol

## CLEANING

Enviro Epoxy RC should be removed from all tools and equipment, prior to hardening with Enviro Thinners No.1 or Thinners No.7.

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

**NOTE:** For further information regarding solvents or for project specific advice please consult Enviro Systems.

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## STORAGE

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

## HEALTH & SAFETY ADVICE

Enviro Epoxy RC contents are flammable. Keep away from naked flame. In the event of fire extinguish with foam or CO<sub>2</sub>. Always provide adequate ventilation and wear appropriate Personal Equipment (PPE) during use. Avoid breathing vapours.

Avoid contact with the skin. Wear protective eyewear. If swallowed, DO NOT induce vomiting, have plenty of water or milk. Seek immediate medical advice. Wash off splashes of material with clean water and soap. If irritation occurs seek medical advice. Refer to MSDS.

**KEEP OUT OF REACH OF CHILDREN.**

**NOTE:** Safety Data Sheets are available upon request by emailing [customerservice@envirosystems.com.au](mailto: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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### 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.

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