

Enviro Epoxy RC

HIGH BUILD EPOXY COATING

Enviro Epoxy RC is a high build, chemically resistant, heavy duty epoxy coating 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 AND BENEFITS

- Ⓢ Easy 2 coat application
- Ⓢ High build system
- Ⓢ Heavy duty
- Ⓢ Low VOC
- Ⓢ Long durability
- Ⓢ Chemical resistance
- Ⓢ Colour pack system
- Ⓢ Damp substrate compatibility

APPLICATION SOLUTIONS

With its heavy duty wear and chemical resistance, Enviro Epoxy RC 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

PRODUCT INFORMATION

Packaging: Enviro Epoxy RC is supplied in in 8L and 16L kits including part A, part B and colour pack, proportioned ready for mixing.

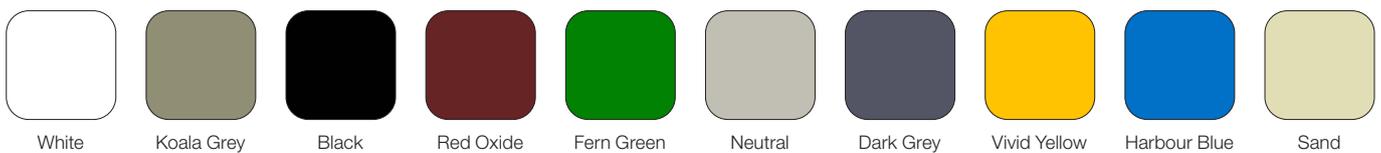
Mix ratio: Enviro Epoxy RC is supplied as a 3-Part epoxy coating.

By volume: 4/3.25/0.75 Part B/Part A/Colour pack - Part A and colour pack to premix together before adding to Part B.

Shelf life: Enviro Epoxy RC can be stored in its original sealed containers for 12 months in controlled environments.

Colours: Colour Packs supplied in 750ml pails and are available in a range of colours. Made to order colours available upon request.

Please allow 15 working days for made to order colours. 1 colour pack per 8L kit, 2 colour packs per 16L kit.



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, 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.

PRIMING

Prime the substrate using Enviro Epoxy BLV. For poor or porous substrates apply an additional coat after allowing the first coat to dry overnight.

NOTE: For further information on applications that may not require priming or for project specific advice, please consult Enviro systems.

MIXING

Enviro Epoxy RC is supplied in pre proportioned kits ready for mixing, it is critical that only full kits are mixed. Mix Part A with Colour pack(s) until uniform colour, then add Part B and mix 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 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 250µm.

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.

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.

Application: 6.7m²/L at 150µm DFT

Practical Coverage is approximately 43 to 53m²/16L Kit when applying 2 coats at 150µm DFT per coat.

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 Safety data Sheet 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.

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: Allow the coating to cure for at least 7 days at 24°C before being subjected to chemicals.

Product Data

PHYSICAL PROPERTIES

PROPERTY	
VOC	<58g/L
Mix Ratio	By volume: 4/3.25/0.75 Part B/Part A/Colour pack - Part A and colour pack to premix together before adding to Part B.
Pot Life	40 minutes @ 25°C
Tack Free Time	4 hours @ 25°C
Overcoating Time	23°C: min. 12 hours, max. 48 hours
Cure Time	7 days
Shelf Life	24 months

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
- ☉ Skydrol
- ☉ Acetic acid 15%
- ☉ Phosphoric acid 20%
- ☉ Hydrochloric acid
- ☉ Kerosene
- ☉ Diesel and petrol



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HEALTH & SAFETY ADVICE

Enviro Epoxy RC contents are flammable. Keep away from naked flame. In the event of fire extinguish with foam or CO₂. 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 Safety Data Sheet.

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 Enviro systems either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Enviro systems are responsible for carrying out procedures appropriate to a specific application.

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