

enviro epoxy RC

High Build Epoxy Coating



Date: Jan 09
Issue: 3

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.

Advantages

- Easy 2 Coat Application
- Chemical Resistance
- Very Low VOC Content
- Long Durability
- Heavy Duty
- Damp substrates
- High Build
- Factory Tint or Colour Pack System

Uses

- Food Production
- Chemical Production
- Water Treatment and Supply
- Internal Car Parks
- Water Waste Treatment
- Mining
- Commercial Kitchen and Laundries
- Warehouse Floors
- Dairy, Sugar and Textile Production

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 or factory tint available).

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|------------------|--------------------|---------------|-----------------|
| • Solids Content | 85% vol/vol | • Recoat Time | 8 hours at 25°C |
| • Mix Ratio | 1A:1B vol/vol | • Cure Time | 7 days at 25°C |
| • Working Time | 40 minutes at 25°C | • Shelf Life | 2 years |
| • Tack Free Time | 4 hours at 25°C | | |

Application Directions

Substrate Preparation

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.

Priming

Apply first coat of Enviro Epoxy RC as a primer if substrate is in good condition. For poor substrates apply one coat of Enviro Epoxy B or an additional coat of 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 remix until components are uniformly mixed.

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environmentally responsible technology

Application Directions (cont)

Application

Mix only sufficient material as 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 200 um. To achieve a non slip finish, broadcast selected aggregate onto the first wet coat and allow to cure. Remove excess prior to applying a second coat. A satin finish can be achieved by omitting aggregate.

Estimating Data

Depending on substrate condition and profile, one 24 ltr kit of Enviro Epoxy RC will cover at 80 – 95m² based on 2 coats at 200 um DFT.

Packaging

Enviro Epoxy RC is supplied in 8 ltr and 24 ltr kits, proportioned ready for mixing.

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

Curing

Enviro Epoxy RC generally can be recoated after allowing to cure overnight. Floors can be open to pedestrian traffic generally 24 hours after curing of the final coat. Vehicular traffic after 3 days. The coating must be allowed to cure for 7 days at 24°C, before being subjected to chemicals.

Storage

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

Cleaning

Enviro Epoxy B 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.

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 MSDS.

KEEP OUT OF REACH OF CHILDREN.



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Statement of Responsibility

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Note:

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