

# Drybase® ECS CR Epoxy Coating

## Product Description

A two component extended epoxy high build coating characterised by its inbuilt flexibility, excellent adhesion and resistance to water and a wide range of chemicals. **Drybase® ECS CR Epoxy Coating** will successfully protect concrete structures including abutments, wing walls and bearing shelves, drainage channels, bunds and tanks.

Accreditations	
 0086	EN 1504-2



## Benefits

- No primer required
- Excellent bond strength
- Good chemical and abrasion resistance
- Inbuilt flexibility
- Waterproof
- Excellent weathering characteristics

## Properties

Appearance	Black resinous coating
Material	Epoxy
Size(s) & Packaging	5 kg tubs
Coverage	4 – 6 m <sup>2</sup> /kg
Working time	50 – 65 minutes at 20 °C <sup>[1]</sup>
Storage	Keep in dry conditions at 5 °C to 35 °C. Protect from frost and direct sunlight
Shelf Life	12 months
Effective Against	A wide array of chemicals
Full Cure	7 days
Breathability	SD >50 m (Class III)
Bond Strength	>2.0 Mpa
Solids Content	>90 %

## Chemical Resistance

Hydrochloric Acid (Conc.)	Fair
Nitric Acid 25 %	Good
Sulphuric Acid 50 %	Good
Sodium Hydroxide 50 %	Good
Ammonia 10 %	Good
White Spirit	Good
Methylated Spirit	Good
Xylene	Good
Lubricating Oil	Good
Petrol	Good
Skydrol	Good
Sodium Hypochlorite (Bleach)	Good
Salt (Sodium Chloride Saturated)	Good
Ammonium Sulphate 10 %	Good

## Application Information

### Preparation

All surfaces should be clean, dry, and free from oil, grease and chemical contamination. Concrete surfaces should be free from laitance; this should be removed by either scarifying, wire brushing or preferably by high pressure water or sand blasting. Blow holes or other surface irregularities should be repaired. Concrete surfaces should be at least 21 days old.

<sup>[1]</sup> Do not apply at temperatures below 7°C.

<sup>[2]</sup> Do not apply at temperatures above 35°C.

## Application

Use only full packs. To ensure successful application, the entire contents of the (Part B) hardener tin should be added to the (Part A) base tin and slowly stirred for at least four minutes until thoroughly mixed, taking care not to entrain air into the mix. It is recommended that a variable speed high torque drill with a grout stirrer is used. Care should be taken to prevent unmixed material remaining on the side of the tin by scraping down the sides occasionally.

The product may be applied by brush or short pile simulated lambswool roller. Application of two coats (the second coat being applied at right angles to the first) is recommended. The first coat should be applied to the prepared surface and allowed to dry overnight, typically 18 – 24 hours. As soon as the first coat has completely dried, the second coat should be applied. Each coat should be applied as a continuous film. The second and final coat should be allowed to dry for a minimum of 24 hours prior to exposure to chemicals. All equipment should be cleaned with solvent immediately after use. Note that all mixed material must be used immediately and cannot be stored, as it will cure into a resin.

Ambient and surfaces temperatures should be between 10 °C and 35 °C at the time of application. When working in enclosed areas it is important to create sufficient air flow in order to maintain an ambient relative humidity value of below 85 % at all times during the curing period. It is recommended that the substrate to receive the coating should not have a moisture content of more than 75 % RH. This can be assessed using a hair hygrometer covered with polythene for 24 hours as recommended by BS 8203.

## Cleaning of Tools

It is recommended that tools used are cleaned immediately after use with a solvent.

## Other Information

For health and safety information see the Safety Datasheet (available upon request).

**Drybase® ECS CR Epoxy Coating** is produced in accordance with ISO 9001 and ISO 14001 quality and environmental management systems.

---

*Information given is in good faith based on experience and usage, however all recommendations are made without warranty or guarantee, since the conditions of use are beyond our control. All goods are sold in accordance with our Conditions of Sale, copies of which are available on request. Customers are advised that products, techniques and codes of practice are under constant review and changes occur without notice; please ensure you have the latest updated information.*

