

Drybase® ECS Epoxy Floor Coating

Product Description

Drybase® ECS Epoxy Floor Coating is a two part water-dispersed epoxy resin product consisting of a pigmented base resin component and a water-dispersed hardener component. It is applied by brush or roller.

Suitable for use as a floor and wall coating in kitchens, warehouses, storage areas, light industry and as a protective coating in overflow bunds.

The working time of the mixed material is two hours. Note that all mixed material must be used immediately and cannot be stored, as it will cure hard. One pack will provide one coat.

Accreditations	
 0086	EN 1504-2



Benefits

- Water-based technology
- Low odour
- Resistant to light traffic

Properties

Appearance	Available in grey, white and clear.	
Size(s) & Packaging	Part A: 4 kg, part B: 1 kg.	
Coverage	Up to 35 m ² per 5 kg pack for one coat. Two coat application is standard ^[1]	
Working time	2 hours at 20 °C	
Application temperature	Permissible	+5 °C to +35 °C
	Recommended	+10 °C to +25 °C
Cure time	Tack free	18 – 24 hours
	Initial Cure	36 – 72 hours
	Full cure	5 – 7 days
Storage	Keep in dry conditions at 5 °C to 35 °C. Protect from frost and direct sunlight.	
Shelf Life	12 months.	

Application Chemical Resistance

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

^[1] This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors such as surface porosity, temperature, humidity, application method and finish required can significantly reduce coverage and should be allowed for when estimating.

Application Information

Preparation

All contact surfaces must be sound, clean, dry and provide a “light” mechanical key. Remove all loose material, paint, plaster and oily deposits. For best results, grit blasting is recommended. **Drybase® ECS Epoxy Floor Coating** is applied in two coats. The texture of the substrate will have a bearing on the appearance of the surface finish. **Drybase® ECS Epoxy Floor Coating** can be applied as a moisture suppressant coating, where dampness may be expected. Substrates should be free from surface water. However, where **Drybase® ECS Epoxy Floor Coating** is being used to provide a decorative finish it is important that it is applied to a dry substrate.

Application

Mixing

Successful application of **Drybase® ECS Epoxy Floor Coating** depends on thorough and complete mixing of the two components (Part A and Part B). Pre-mix each of the two components individually. The “Part A” component is supplied in a container which is large enough to receive the “Part B” component and act as the mixing vessel. Pour all of the “Part B” component into the “Part A” container and mix using a slow speed high torque drill with a Grout Stirrer. Mix for at least four minutes, scraping down sides occasionally to ensure complete mixing. Note that all mixed material must be used immediately and cannot be stored, as it will cure hard.

Application

Apply the mixed **Drybase® ECS Epoxy Floor Coating** in two coats. The use of a brush for the first coat is recommended. For the second coat the use of a brush or a short pile (natural or synthetic) roller is satisfactory. The second coat should be applied as soon as the first coat has completely dried, typically 18 to 24 hours. Each coat should be applied as a thin continuous film. Ponding must be avoided as the thickness will entrap water and prevent proper curing. **Drybase® ECS Epoxy Floor Coating** should be applied at ambient and surface temperatures between 10 °C and 35 °C. For applications outside this range contact our technical department. The ambient relative humidity must be below 85 % at all times during the curing period. When working in enclosed areas it is important to create sufficient air flow to maintain the humidity below this value. It is recommended that substrates 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.



Where **Drybase® ECS Epoxy Floor Coating** is being used to provide a decorative surface it should be applied by skilled operatives familiar with the application of epoxy coatings to a high decorative standard. To ensure an even finish, special attention should be paid to:

- Ensuring that the product is applied at an even layer thickness
- Blending in of brushed and rolled areas
- Checking that all product used is from the same batch

Cleaning of Tools

It is recommended that the tools used are cleaned immediately after use with warm soapy water.

Other Information

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

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

Drybase® ECS Epoxy Floor Coating is non-hazardous to the environment.

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.