

Technical Data Sheet  
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## Epo-Coat<sup>®</sup> FCS

*Epoxy protective floor & wall coating (solvent base), two components system.*

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### Description

**Epo-Coat<sup>®</sup> FCS** is a two component solvent base epoxy resin based coating for Concrete and metal surfaces. This coating provides good general purpose protection and medium chemical resistance to cementitious and metal surfaces.

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### Uses

**Epo-Coat<sup>®</sup> FCS** can be applied as protective floor & wall coating for:

Engineering workshops	Parking areas and car wash areas
Air craft maintenance and assembly units	Workshops, fabrication units
Warehouses	Terminals
Hospitals	Schools
Laboratories	Showrooms
Chemical production plants	Health Care manufacturing unit
Battery and pump rooms	Car parking decks

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### Advantages

- Excellent resistance to chemicals.
- Hygienic, dust free "Provides an impermeable surface which is easy to clean.
- Durable, tear resistant and hardwearing
- Easy to apply
- Solvent free therefore odourless and can be applied on areas having less ventilation
- Available in a wide range of colours

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### Technical properties

Color	Grey (other colour available upon request)
Solid content	65% by weight
Pot life at 25° C	2 hours.
Over Coating Time	6 hours (minimum) 24 hours (maximum)
Bond Strength	Greater than the cohesive strength of concrete.
Application temperature	+5° C to +35° C
Service temperature	+5° C to +60° C

## Resistance to chemicals

Alkalis	Excellent	Gasoline	Excellent
Ammonia	Excellent	Salt Water	Excellent
Hydrochloric Acid 10%	Excellent	Toluene	Excellent
Acetic Acid 5%	Excellent	Xylene	Excellent
Battery Acid	Excellent	Lactic Acid 10 %	Good
Oil	Excellent	Citric Acid 10%	Good

## Application Method

### 1. Surface preparation

Application is to be carried out on a non-frozen, clean, healthy surface, free of dust, and oil spots, @ a temperature of minimum + 5° C

Surface preparation plays a minimum 28 days old before any coating or topping are applied. The surface should be free from dust, dirt, curing compound, oil etc.

Clean the surface thoroughly to remove all loosely adhering particles and cement laitance. It is recommended to use a light mechanical grinder for cleaning.

Cracks and pot holes should be repaired with suitable concrete repair system or Epoxy repair system and allow to cure. Ensure that the moisture content in the substrate is below 5 %.

### 2. Priming

Being a solvent based coating **Epo-Coat FCS** does not require any priming.

The 1<sup>st</sup> coat will act as both the vital role in determining the durability of any floor coating. Therefore proper care should be taken while executing it.

The concrete should be primer and the 1<sup>st</sup> coat.

### 3. Mixing

**Epo-Coat FCS** is supplied in two pre-weighed packs (Resin and hardener).

The components are just to be mixed at site and used. However, part mixing is strictly prohibited.

Take a suitable container and pour the resin (A) into it. Add the hardener (B) into the resin and mix thoroughly with a paddle mixer. Use of a slow speed drill is recommended to reduce the formation of air bubbles.

### 4. Application

Once the material is mixed apply the coating immediately within its pot life.

Application can be done by brush, short hair roller, airless spray and squeegee.

Apply the 1<sup>st</sup> coat @ 6-7 m<sup>2</sup>/lt. To get an anti skid finish broad cast aggregate No. 8 onto the 1<sup>st</sup> coat whilst it is still wet. After the coat dries off completely brush away the excess aggregates and apply the 2<sup>nd</sup> coat at the same coverage rate.

Various textures can be obtained by varying the quantity of the aggregates from 0.5 kg to 1.2 kg/m<sup>2</sup> on to the base coat.

However, for a smooth finish, do not apply the non slip aggregates.

## 5. Maintenance

As a good maintenance practice and increasing the life of the flooring, a regular cleaning of the floor with a light cleaning agent is suggested. Steam cleaning may be done up to a temperature of 50° C.

### Covergae

**Epo-Coat FCS** : 6-7 m<sup>2</sup>/lt. per coat.  
**Aggregate no. 8** : 0.5 to 1.2 kg./m<sup>2</sup>

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### Cleaning

Clean all tools with water immediately after use. Hardened materials can be removed mechanically only

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### Packing

Available in 5 Kg, 20 Kg Kits.

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### Storage

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air conditioned environment.

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### Safety precautions

Suitable gloves and goggles should be worn to prevent contact with skin and eyes. If swallowed do not induce vomiting and seek medical help. Spillage and splashes to the skin and eyes should be rinsed immediately with plenty of clean water and seek medical advise.

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### Storage and shelf life:

Stored in the original sealed containers in a dry area, this product will keep for at least 18 months. Protect from direct sunlight and from frost. Always, stir vigorously before use.

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### Please consult our "Technical Services".

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, Especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position

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