

Technical Data Sheet
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Epo-Coat® FC Pro

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

Description:

Epo-Coat® FC pro is a two component solvent free epoxy resin floor coating that provides a durable and resistant floor which is easy to clean and have excellent resistance to a wide range of chemicals.

Uses:

Epo-Coat® FC pro can be applied as a floor coating for:

Parking areas and car wash areas
Workshops, fabrication units
Warehouses
Chemical Plants
Terminals
Showrooms
Health Care manufacturing units

Advantages:

- Excellent resistance to chemicals.
- Hygienic "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

Technical properties

Total solid contents	100%
Pot life @ 20°C	20 to 30 minutes
Touch dry time @ 20°C	6 hours
Over coating time @ 20°C	24 hours
Initial hardness @ 20°C	24 hours
Full cure @ 20°C	7 days
Dry film thickness	330 micron. @ 3m ² /ltr
Standards	BS 746 Part 7:1971 29 02 A

Resistance to Chemicals

Alkalis	Excellent	Gasoline	Excellent
Ammonia	Excellent	Salt Water	Excellent
Hydrochloric Acid 10%	Excellent	Toluene	Excellent
Acetic Acid 10%	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 vital role in determining the durability of any floor coating. Therefore proper care should be taken while executing it.

The concrete should be 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

Prime the prepared surface with **EP-Primer** and allow drying.

For application procedure please refer **EP-Primer** data sheet.

3. Mixing

Mix part A (resin) and part B (hardener) separately for 1 minute using a slow speed drill fitted with a paddle. Then add Part B into Part A and mix thoroughly for 2 - 3 minutes to achieve uniform consistency. **Apply immediately after mixing!**

4. Application

Epo-Coat® FC pro may be applied by brush, roller or industrial sprayer.

When the first coat achieves initial cure (ie after 24hours) apply second coat at right angles to the first. After application the coating must be back rolled to reduce surface irregularities and to improve bonding. Care should be taken to ensure that a continuous film is achieved.

Cleaning

Clean all equipments with Xylene, Xylol or Toluene.

Packing

Available in 1 Gallon, 5 G Kits.

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.

Health & Safety

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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.

The Unixs SARLU

The Universal Construction, Chemicals, Commodities & Consulting Services
Lambanyi, Co. Ratoma, Conakry, Rep. de Guinée

Tel. +224620419482 * Email. Info@theunixs.co.uk * www.theunixs.co.uk

For Sierra Leone contact:

Mr. Ocak, Abdel Kadir * Mob: +23279200220 * Email: theunixs@gmail.com