

POLY FLOOR EP

Epoxy Resin Concrete Bonding Agent

PRODUCT DESCRIPTION

POLY FLOOR EP is a two component, solvent free, non-toxic, slightly thixotropic protective floor coating which is based on epoxy resin and specially selected curing agents, designed for continuous protection to chemical attack.

It is available in six standard colours, special colour on request.

TYPICAL APPLICATIONS

POLY FLOOR EP could be used as an anti slip-resistance, abrasion resistance, chemical resistance, & floor coating in areas such as:

- Tanks and silos.
- Soft drinks Factories.
- Warehouses.
- Laundries.
- Car production areas.
- Dairies & dye works.
- Garages.
- Industrial areas vertical surfaces.

PRODUCT FEATURES

- Smooth and high build floor coating.
- Solvent free and odorless.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- Slip resistance. Highly Durable.
- High chemical resistance to most common reagents.
- Suitable for the Middle' East conditions.

PROPERTIES

Solid Content

100%

Specific Gravity

1.5 @ 20°C.

Pot life

70 minutes @ 20°C and.

40 minutes @ 30°C.

Full Cure

7 days @ 20°C

5 days @ 30°C.

Light Traffic

After 48 hours @ 20°C

After 24 hours @ 30°C.

Recommended Dry Film Thick.

Approximately 200 microns.

Bond Strength to Concrete (dry)

3 N/mm² depending on the quality of concrete

Chemical Resistance

Visual inspection shows no effect on samples immersed in the following chemicals for 365 days

@ 35°C

Acids :

| | |
|---------------------------------------|------------------|
| Sulphuric Acid, 50% | Excellent |
| Hydrochloric Acid, 50 % Acid, 25 % | Excellent Nitric |
| Phosphoric Acid, 50 % | Excellent |
| Citric Acid, 10 % | Excellent |
| Lactic Acid, 10 % | Excellent |

Alkalis:

| | |
|-----------------------------------------|-------------------|
| Sodium Hydroxide, 50 % solution, 10% | Excellent Ammonia |
|-----------------------------------------|-------------------|

Excellent Solvents :

| | |
|-----------------------|-----------|
| Petrol, oil, kerosene | Excellent |
| Butanol | Good |
| Skydrol | Good |

Others :

| | |
|----------------|---------------|
| Bleach, 5% | Excellent |
| Saturated Urea | Excellent For |

more details, consult **POLYCOO** Technical Services.

GUIDE FOR APPLICATION

Surface Preparation

All surfaces should be sound, dry, free from oil, grease. loosely adhering particles. Steel surfaces should be free from scale and rust.

The concrete age should be 28 days at least.

Priming

Concrete surfaces should be primed with **POLY PRIME EP** (see separate data sheet). The primer should be allowed to achieve a tack-free condition before applying **POLY FLOOR EP**

Mixing

Mix component A (Resin) well then pour all the amount of the component B (Curing Agent) to it. Mix thoroughly by slow speed electric drill (300-500 rpm) until a smooth and even consistency is achieved.

Application

Apply the mixed material to the prepared & primed surface using, stiff brush, roller or spray (airless with pressure ratio 1: 40).

CLEANING

Clean all tools and equipment immediately after use with **POLY SOLVENT EP**.

PACKAGING

POLY FLOOR EP is supplied In 5 kg pack, (Compound A and Compound B).

COVERAGE

Approximately 4 m² / Kg at 200 micron D.F.T.

STORAGE

POLY FLOOR EP should be stored at room temperature in dry warehouse.

SHELF LIFE

One year .

HEALTH AND SAFETY

- Epoxy Resins contain irritants, especially to the skin, eyes.
- Persons handling these materials shall use appropriate protective clothing, including rubber or plastic gloves.
- If the epoxy resin should contact the skin, it should be removed immediately with a dry cloth or paper towel, and the areas of contact washed thoroughly with soap and water.

Guarantee / Warranty

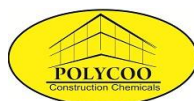
We warrant our products to be of good quality and manufactured to rigid standards. This warranty is in lieu of any and all other warranties expressed or implied.

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POLYCOO services is free and the company dose not accept liability for any loss arising from it.

TECHNICAL SERVICES

For any further technical advice and recommendation for the use of all **POLYCOO** products, please consult the nearest **POLYCOO** technical office.



Under technical collaboration with

Polycoo Industries Ltd.

Sole distributor in Egypt: Polycoo Company

www.polycoo.com

5 Kamel Sedki Street, Ramsis Square, Cairo, Egypt

Sales Tel.: ++202-5918653/++2025918053/++20-122-3102700 Fax: ++202-5918053