

CHEMCOAT EP

EPOXY COATING FOR CONCRETE & STEEL SURFACES

DESCRIPTION:

CHEMCOAT EP is a two-component reactive, solvent based, polyamine cured epoxy coating. This system has excellent, moisture, chemical and abrasion resistance.

RECOMMENDED USES:

Primarily designed as a heavy-duty steel and concrete coating in industrial and commercial areas such as warehouses, tank, service stations, chemical plants, boiler rooms, area of high humidity and temperature, metal treatment plants and machinery service areas. Can be used for dust free substrate & rust preventing coating for concrete and steel tanks and other surfaces subjected to chemical attack and/or wherever corrosion resistance and wearing quality is required.

ENGINEERING DATA:

The mixing ratio of liquids in this system is 4 parts resin to 2 part hardener by volume.

Finish:	Semi - gloss
Colors:	Off - white, red, and gray, special colors are available on request.
Solids by volume:	60%
Theoretical Spreading Rate:	5 square meter per liter at 200 microns thickness (dft)
Specific Gravity:	1.20
Dry to touch:	Approx. 24 hours at 20°C
Fully cured:	7 days after application
Pot life:	1 to 2 hours at 20°C
Recoat Interval:	24 hours minimum at 20°C
Area of Application:	Suitable for Concrete Surface, MS & SS Steel & Wood.

This Data is for indication only

Clean up: Tools and equipment may be cleaned with xylene or aromatic solvents

CHEMCOAT EP passes the requirements of BS 6920, Part 1 1988 and is suitable for use in contact with potable water

SURFACE PREPARATION:

Surfaces must be structurally sound, dry, clean and free from oil, dust, curing compounds, grease, and other loose particles. wire brushing or pneumatic tools.

PRIMER

If required apply a thin coat of **CHEMSEAL EP** as a prime coat at approx. 50 – 75 micron thickness.

NEW CONCRETE

The concrete should be cured for 28 days cured. Laitance should be removed by light sand blasting or grinding where possible.

Remove light laitance followed by thorough washing with water.

OLD CONCRETE

Removal of all contamination should be carried out by cleaning, washing and grinding. Prior to application it is essential that the floor is sound and clean.

EPOXY SCREED COATING

CHEMCOAT EP can be applied directly over EPOXY MORTAR screed for additional protection and wear resistance.

MIXING / APPLICATION:

The hardener (part B) is added to the resin (part A) and mixed thoroughly until homogeneous (at least 3 minutes). Let stand for at least five minutes prior to application. **CHEMCOAT EP** can be applied by brush, roller or airless spray. For non-slip surface, fine sand can be broadcast on the epoxy surface while still wet. Allow to cure for at least 24 hours and finally top with very thin coat.

PACKING:

4 L (Part A + Part B) Two component units

CHEMICAL RESISTANCE:

Acetic Acid, 5%.....	good
Alkalies	excellent
Ammonia	excellent
Battery Acid	excellent
Hydrochloric Acid 10% ...	good
Methylene Chloride	poor
Salt Water	excellent
Oil & Fuel	excellent
Ethylene Glycol	excellent

SHELF LIFE:

One year in unopened container.

PRECAUTIONS:

- Epoxy components may cause irritation, avoid contact with skin and eyes.
- Always wear protective clothing (rubber gloves, eye protection, etc.) when using the product.
- Solvents are Flammable. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipment.

