

# Creative EpoFloor-4K

High Performance, Chemical Resistance Epoxy Resin Coating for Steel and Concrete

## DESCRIPTION

Creative EpoFloor-4K is a four component, solvent free, epoxy resin based superior grade protective coating for steel and concrete surfaces. It cures to a semi-gloss, impervious finish.

## SCOPE OF USE

Creative EpoFloor-4K is suitable for use on floors and walls in warehouses, laboratories, hospitals, car parks, food industries, battery and pump rooms, pharmaceutical industries, bridges, off-shore structures, power industry and pulp and paper mills. It provides excellent chemical resistance, abrasion resistance and improved aesthetics.



## TYPICAL PROPERTIES AT 25°C

PROPERTY	TEST METHOD	VALUE
Component		Four parts: Part A- Base, Part B- Hardener, Part C- Filler & Part D- Colour Pack
Mixed Form		Viscous-liquid
Colour		Various colours available
Pot Life	ASTM D2471	60 mins +/-10
Drying Time		5-6 hrs
Recoat Time		Min 5 hrs and Max 24 hrs
Full Cure		7 days
Bond Strength	ASTM D4541	> 1.5 N/mm <sup>2</sup> at 7 days
Flexural Strength	BS 6319-3	40 N/mm <sup>2</sup> at 7 days
Compressive Strength	BS 6319-2	75 N/mm <sup>2</sup> at 7 days
Tensile Strength	BS 6319-7	20 N/mm <sup>2</sup> at 7 days
Chemical Resistance	ASTM D543	Resistance to various chemicals like acids, mild alkalis, fuels, grease, petrol etc
Application Temperature		+5°C to + 40°C
Service Temperature		+5°C to + 70°C

## KEY ADVANTAGES

- Excellent chemical resistance
- Good abrasion resistance
- Suitable for application by brush, spray or roller
- Available in various colours with smooth and anti-slip textures
- Excellent adhesion to a variety of substrates
- Easy to maintain & long lasting
- Provides dust free surface

## SURFACE PREPARATION

Surfaces to be coated must be clean, dry, sound, free of mould release agents, bond breaking coatings, curing compounds or any other form of contamination that may affect the adhesion of the epoxy coating to the substrate. Surface preparation must be done using appropriate methods like grinding or wire brushing and vacuumed. New cementitious surfaces should be at least 28 days old and have a moisture content less than 5% prior to application.



## PRIMING

If the surfaces are highly porous and rough textured, priming is recommended. Primer should be brushed into the substrate using a stiff brush or roller and allowed to dry (minimum 12-16 hrs) before the application of **Creative EpoFloor-4K**.

## MIXING

**Creative EpoFloor-4K** is supplied in pre-measured packs. Base and hardener should be stirred separately before mixing. First transfer the colour pack into the base and mix for a minute. Then add hardener component and mix using a slow speed drill machine for two minutes to get a uniform colour. Then add the filler and mix until a homogenous mix is obtained.

## APPLICATION

Apply first coat of **Creative EpoFloor-4K** on the prepared surface with roller, brush or spray at recommended coverage rate. Allow for a minimum of 5 hours drying time. The second coat needs to be applied at a minimum thickness of 200 microns wft.

**Creative EpoFloor-4K** should be cured for 24 hrs before allowing foot traffic.

## LIMITATION

- At higher temperatures pot life will be reduced.
- For working in cold climates (<5°C) **Creative EpoFloor-4K** containers need to be kept in a hot water bath. **Creative EpoFloor-4K** cannot be applied in areas exposed to direct sunlight.

## PACKSIZE

10 LTR & 20 LTR set

## GENERAL INFORMATION

Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing.  Extreme temperature / humidity may reduce shelf life.
Cleaning	Clean all equipment and tools with water immediately after use.

## HEALTH AND SAFETY

PPE's	Gloves, goggles and suitable mask must be worn.
Precautions	Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.
Hazard	Regarded as non-hazardous for transportation.
Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
Additional Information	Refer MSDS. (Available on request)

## COVERAGE

7m<sup>2</sup>/ltr/coat at 200 microns wft (100 microns dft)  
Coverage rates can vary according to the substrate porosity and texture. For anti-slip finish coverage of second coat will be considerably reduced. Conduct field trial to ascertain actual coverage.

## TECHNICAL SERVICE

Creative Chemical Company technical services are available on request for onsite support to assist in the correct use of its products.



**Creative Chemical Vietnam Co. Ltd.**

No-15, Street-10A, Bien Hoa Industrial Zone 1, Bien Hoa City, Dong Nai, Vietnam  
Phone: (+84) 251 8877 400, (+84) 61 3836 125, Email: [info@creativechemical.net](mailto:info@creativechemical.net), Web: [creativechemical.net](http://creativechemical.net)

Creative Chemical products are produced with ISO 9001:2015 standard terms and conditions. So it's customer responsibility to maintain and follow up the TDS and weather forecast carefully. We can not guarantee the application and end use as it depends on various conditions and weather.