



## High Gloss Waterproof UV Stable Metallic Epoxy Floor Coating for Seamless Finishes

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: CREKOAT
- Certification: TDS, MSDS
- Model Number: CK-NB3001
- Minimum Order Quantity: 500KG
- Price: US\$3.2-4.8/Kg
- Packaging Details: Bottle/Cartron/Pallet
- Delivery Time: 3-7 Working days
- Payment Terms: T/T
- Supply Ability: 1000 Tons/Month

CREKOAT



### Product Specification

- Type: Silver Metallic Epoxy Coating
- Key Words: Three-Dimensional Look
- Materials: 100% Solids Epoxy
- Application: Wood, Ceramic Tile, Concrete
- Mixing Ratio: 3:1 By Weight
- Packaging: Plastic Buckets
- Pot Life: 40 Minutes
- Shelf Life: 12 Months
- Highlight: **Maintenance Metallic Epoxy Floor Coating**



### More Images



## Product Description

# High Gloss Metallic Epoxy Floor Coating Seamless Finishes Waterproof UV Stable

### Product Overview

Metallic epoxy floor coating is a decorative flooring system made from epoxy resin mixed with metallic pigments, which creates a unique marble-like or liquid metal effect through the movement of the pigments during application. It produces a seamless, high-gloss, and visually striking surface that is commonly used in garages, showrooms, commercial spaces, and high-end residential interiors. The coating is durable, waterproof, resistant to chemicals and abrasion, and easy to maintain, typically lasting many years.

### Key Features

- High-gloss, mirror-like finish
- Unique, custom "liquid metal" appearance
- Seamless and joint-free surface
- Strong resistance to chemicals, stains, and abrasion
- Waterproof and easy to clean

### Advantages

Metallic epoxy flooring offers a highly attractive, seamless finish that mimics the look of polished marble or liquid metal, making it ideal for modern and luxury interiors. It is extremely durable, with strong resistance to heavy foot traffic, impacts, stains, chemicals, and abrasion, which helps it maintain its appearance for many years.

The surface is also waterproof and non-porous, making it easy to clean and hygienic since dirt, dust, and liquids cannot penetrate it. Its seamless design means there are no joints or grout lines, reducing maintenance and preventing bacterial buildup.

In addition, it is highly customizable, as different pigments, colors, and patterns can be used to create unique artistic effects, ensuring no two floors look the same.

### Technical Specifications

Item	Epoxy Resin (A)	Hardener (B)
Appearance	Liquid	Liquid
Color	Crystal Clear	Crystal Clear
Viscosity @25°C	800-1000 mPa*s	50-100 mPa*s
Density, g/cm <sup>3</sup>	1.07±0.05	0.95±0.03
Mix Ratio	3:1 by weight	
Hardness	≥85 Shore D	
Pot Life	30-40mins @25°C	
Curing Time	8-10hrs @30°C, 10-15hrs @25°C 24hrs, Dry Completely	
Thickness	1-3mm	

Shelf Life	12 Months
Coverage Rate	0.8 - 1.0 kg/m <sup>2</sup> (based on 1mm thickness)
Application	Industrial Use - Garages, Warehouses, Airports and hangars. Commercial Use - Shopping malls and boutiques, Hotels, Offices, Showrooms, Restaurants, Hospitals, Schools, Bar Tops, Table Tops. Residential Use - Entrances and hallways, basements, entertainment rooms, bathrooms, kitchens and living rooms.

## Application Method

### 1. Substrate Preparation

Grind the concrete surface using a floor grinder to remove laitance, oil, grease, old coatings, and loose particles.

Fill all cracks, holes, and expansion joints with epoxy repair mortar.

Vacuum thoroughly to remove all dust and debris.

Test moisture content (must be  $\leq 8\%$ ).

Test surface flatness (2m straightedge, gap  $\leq 3\text{mm}$ ).

### 2. Primer Application

Mix epoxy primer according to the ratio (A:B).

Apply one coat evenly using a roller or squeegee.

Coverage: approx. 0.15 - 0.25 kg/m<sup>2</sup>.

Allow to dry for 6-10 hours at 25°C (longer at lower temperatures).

Do not apply the next coat if the primer is still tacky.

### 3. Metallic Base Coat Application

Accurately weigh Part A and Part B according to the specified ratio (e.g., 3:1 or 2:1).

Mix with an electric stirrer at low speed for 2-3 minutes until homogeneous.

Pour the mixed material onto the prepared floor.

Spread evenly using a gauge rake or squeegee.

Recommended thickness: 1.5 - 2.0 mm.

Coverage: approx. 1.5 - 2.2 kg/m<sup>2</sup> (depending on thickness).

### 4. Creating the Metallic Effect

Immediately after spreading the base coat, apply metallic pigments (liquid or powder) using a brush, roller, or specialized tools.

#### Common techniques:

**Marble effect** - drag tools through the wet epoxy in sweeping arcs

**Swirl effect** - use a circular motion to create movement

**Wave effect** - use a trowel or spatula to create fluid lines

**Custom design** - combine techniques to create unique patterns

The pigments will rise and blend naturally as the epoxy cures.

**Important:** Work in small sections (2-3 m<sup>2</sup> at a time) to keep the material wet and workable before the pot life expires.

### 5. Bubble Removal

Immediately after creating the pattern, use a spiked roller over the entire surface in both directions to release trapped air.

This also helps level the material for a smooth finish.

### 6. Curing

Protect the surface from dust, moisture, and foot traffic during curing.

**Light foot traffic:** after 24 hours (at 25°C)

**Full cure:** after 7 days

At lower temperatures ( $<15^\circ\text{C}$ ), curing times will be longer.

### 7. Optional Clear Topcoat (Recommended)

For areas with heavy traffic or UV exposure, apply a clear polyurethane or polyaspartic topcoat.

**Benefits:**

Scratch resistance  
UV resistance (anti-yellowing)  
Stain protection  
Easier cleaning

Mix and apply according to the product's instructions.

Coverage: approx. 0.1 - 0.2 kg/m<sup>2</sup>.

Light traffic after 24 hours; full cure after 7 days.

### Tools Required

Floor grinder / shot blaster  
Industrial vacuum cleaner  
Electric stirrer with mixing paddle  
Gauge rake (adjustable height)  
Squeegee (rubber)  
Spiked roller (long handle)  
Trowel / spatula / metallic effect tools (brushes, combs, rollers)  
Measuring scales  
Mixing buckets

### Working Conditions

Temperature: 15 - 30°C (ideal), 10 - 35°C (acceptable)

Relative humidity: ≤ 85%

Substrate temperature must be above dew point (to avoid condensation)

Avoid application in rainy weather or direct sunlight.

### Key Tips

**Plan your pattern design** before starting.

**Work quickly** -- pot life is approximately 20-30 minutes at 25°C.

**Mix small batches** if working alone to maintain control.

**Maintain a wet edge** -- keep application areas adjacent to avoid visible joints.

**2-3 person team recommended** for large areas (1 x mixing / pouring, 1 x spreading, 1 x effect creation).

**Avoid over-rolling** -- too much rolling may flatten the metallic effect.

**Keep tools clean** -- clean immediately with appropriate thinner after use.



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