



TC2001 Epoxy Resin Full Broadcast Chip Epoxy Flake Floor Coating For Unique Texture Patterns

Our Product Introduction

for more products please visit us on epoxyresinfloorcoating.com

Basic Information

- Place of Origin: CHINA
- Brand Name: CREKOAT
- Certification: TDS, MSDS
- Model Number: CK-TC2001
- 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



Product Specification

- Product Name: Flake Epoxy Floor Coating
- Key Words: High Impact Strength
- Materials: 100% Solids Epoxy
- Application: Wood, Tile, Concrete
- Mixing Ratio: 2:1 By Weight
- Packaging: Plastic Buckets
- Pot Life: 40 Minutes
- Shelf Life: 12 Months
- Highlight: **Chip Size Epoxy Flake Floor Coating, Texture Patterns Epoxy Flake Floor Coating**



More Images



Technical Data Sheet

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Quick Details Of Epoxy Flake Floor Coating:

Epoxy flake coating is a two-component decorative flooring system based on epoxy resin. Colored decorative flakes are broadcast evenly onto the wet epoxy topcoat, creating a **colorful, slip-resistant, and seamless** decorative floor surface. The flakes help hide application marks and minor substrate imperfections, while adding texture and anti-slip properties — combining aesthetics with functionality.

Applications Of Epoxy Flake Floor Coating:

Suitable for commercial and public indoor spaces such as shopping malls, showrooms, supermarkets, offices, schools, and hospitals. It is also ideal for underground garages, gyms, and sports facilities where slip resistance and aesthetics are important. It can be used in industrial environments like food processing plants, pharmaceutical clean areas, and electronics workshops where cleanliness and durability are required.

Features Of Epoxy Flake Floor Coating:

- Highly decorative with a wide range of color combinations
- Slip-resistant, wear-resistant — suitable for foot traffic and light load areas
- Seamless, easy to clean and maintain
- Conceals minor substrate defects and application marks
- Easy to apply, fast curing
- Customizable flake colors and sizes available

Advantages Of Epoxy Flake Floor Coating:

Epoxy flake coating offers strong decorative appeal with a wide variety of color and flake size combinations, creating diverse floor effects. The textured surface provides slip resistance for safe and comfortable foot traffic. The seamless coating is easy to clean and maintain, while the flakes effectively conceal minor substrate imperfections and application marks for a more uniform finish. With strong adhesion, good wear resistance, fast curing, and easy application, it is ideal for light to medium traffic areas.

Technical Specifications Of Epoxy Flake Floor Coating:

Item	Epoxy Resin(A)	Hardener(B)
Appearance	Liquid	Liquid
Color	Crystal Clear	Crystal Clear
Viscosity@25°C	700-900 mPa·s	300-500 mPa·s
Density, g/cm ³	1.05±0.05	0.95±0.05
Mix Ratio	2:1 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	
Recoat Time	2Hrs	
Thickness	1-3mm	
Shelf Life	12 Months	
Coverage Rate	0.8 – 1.0 kg/m ² (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 Of Epoxy Flake Floor Coating:

1. Substrate Preparation

- Grind the concrete surface thoroughly using a floor grinder to remove laitance, oil stains, old coatings, and loose particles.
- Use an industrial vacuum to remove all dust and debris.
- Repair cracks, holes, and expansion joints with epoxy repair mortar.
- Substrate requirements: Strength ≥ C25, moisture content ≤ 8%, flatness ≤ 3mm over a 2m straightedge.

2. Primer Application

- Accurately weigh Part A and Part B according to the ratio and mix thoroughly with an electric stirrer for 2–3 minutes.
- Apply one coat of epoxy primer evenly with a roller or squeegee. Avoid skipping areas.
- Primer coverage: approx. 0.15–0.3 kg/m².
- Allow to dry for 6–10 hours at room temperature (25°C) before proceeding to the next coat.

3. Mid-Coat Application (Optional)

After the primer has cured, mix the epoxy mid-coat according to the ratio and add appropriate silica sand (80–120 mesh) to form a mortar consistency.

Apply with a trowel to increase thickness and flatness, while filling minor substrate defects.

Mid-coat coverage: approx. 0.5–1.5 kg/m² (depending on thickness).

After curing (approx. 12–24 hours), lightly grind the surface to remove trowel marks, then vacuum clean.

4. Topcoat Application & Flake Broadcast

Accurately weigh Part A and Part B of the epoxy flake topcoat, mix thoroughly for 2–3 minutes until uniform.

Apply evenly with a trowel or squeegee at a thickness of approx. 1mm.

Topcoat coverage: approx. 0.8–1.0 kg/m².

Immediately broadcast decorative flakes: While the topcoat is still wet, broadcast flakes evenly by hand or with a flake spreader to ensure complete surface coverage.

Flake usage: approx. 0.3–0.8 kg/m² (depending on coverage requirements).

5. Flake Removal (Optional)

After the topcoat has cured to tack-free (usually 12–24 hours), sweep or vacuum off loose flakes that did not adhere.

Remove carefully to avoid scratching the cured surface.

6. Clear Sealer Application (Optional)

To enhance gloss, wear resistance, and flake protection, apply one coat of transparent polyurethane or epoxy clear coat by roller after flake removal.

Sealer coverage: approx. 0.1–0.2 kg/m².

Light foot traffic allowed after 24 hours; full cure achieved in 7 days.

Important Notes

Application temperature: 10–35°C (ideal 15–30°C).

Relative humidity ≤ 85%. Avoid application in rainy weather or under direct sunlight.

Mixed material must be used within 30–45 minutes (depending on temperature).

Wear protective gloves and masks during application; maintain good ventilation.

Seal the work area during application and curing to prevent dust contamination.



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