

Metallic Epoxy Flooring System



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MTBJZJ Metallic Epoxy Flooring Systems are specialty, high build, self leveling, fluid applied floor coatings. Engineered for residential and commercial applications where a durable, long lasting, aesthetically unique, easy to maintain and completely custom floor is required.

Due to the unique and unrepeatable nature of these flooring systems, consult with a technical representative before installing or specifying.

A metallic epoxy floor coating is quite simply transparent epoxy, with a metallic pigment mixed within. In other words, tiny, almost glitter-like pigments are mixed into an epoxy resin and then poured onto the floor or substrate. When these pigments become agitated with a paintbrush or roller, they gather, separate, twist and turn to reflect light at different angles. Eventually, the epoxy hardens and the metallic pigments are locked into place and give a three dimensional, swirly look. The installation technique is what determines the final look of the floor and is a critical part in attaining the desired look.

Advantages

These coatings are not only aesthetically pleasing, but also have many other advantages. Metallic epoxy floor coatings can be customized to be extremely durable, low yellowing, seamless, antimicrobial, slip resistant, and chemical resistant. Not only will these floors look beautiful, but they will meet all of your performance needs. They are great for places like waiting rooms, show rooms, restaurants, galleries and more.

Application Environments

We regularly assist customers with Production Floors, Retail Floors, Service Bays, Showroom Floors and Warehouse Floors. We also have experience in the following application environments:

- Aircraft Hangars
- Auto Dealerships
- Animal Hospitals
- Atriums
- Banquet Halls
- Bars, Clubs & Pubs
- Bathrooms
- Cafeterias
- Churches
- Clean Rooms
- Commercial Kitchens
- Dairies Food Processing Plants
- Firehouses
- Greenhouses
- Grocery Stores
- Hallways/Corridors
- Kennels
- Laboratories
- Laundromats/Drycleaners
- Locker Rooms
- Museums
- Offices
- Pet Stores
- Restaurants
- Restrooms
- Retirement Homes Salons/Spas
- Stadiums
- Veterinary Clinics Wineries

The whole Floor System you need

MTB-3327 Epoxy Primer/MTB-3328 Epoxy Middle Coat/MTB-3329 Urethane Top Coat

Item	MTB-3327A	MTB-3327B
Appearance	Clear Liquid	
Mix Ratio	2:1 (by weight)	
Operation Time	30-60mins@25°C	
Curing Time	6hrs@25°C	
Dry Completely	24-48hrs@25°C	
Solid Contents	100%	
Adhesive Strength (Grade)	0	
Operation Method	Spread/Roller/Self-level	
Operation Temperature	5°C-40°C	
Coverage	0.15kgs/m ² , @1mm	
Shelf Life	12m	

Item	MTB-3328A	MTB-3328B
Appearance	Clear Liquid	
Mix Ratio	2:1 (by weight)	
Operation Time	30-60mins@25°C	
Curing Time	6hrs@25°C	
Dry Completely	24-48hrs@25°C	
Solid Contents	100%	
Adhesive Strength (Grade)	0	
Operation Method	Spread/Roller/Self-level	
Operation Temperature	5°C-40°C	
Mixed Viscosity	500-700cps	
Compressive Strength	52Mpa	
Coverage	0.75kgs/m ² , @1mm	
Shelf Life	12m	

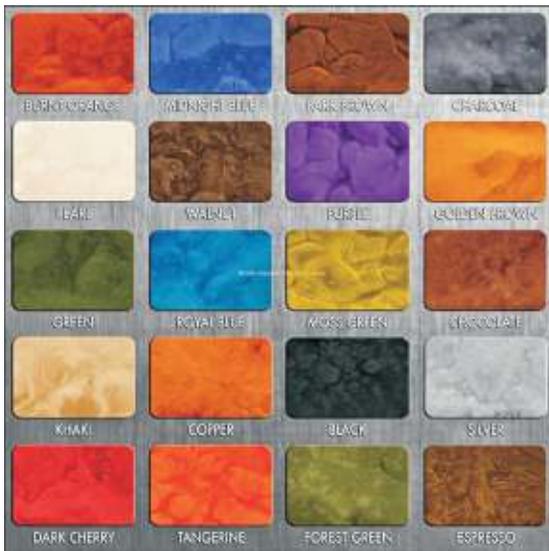
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Appearance	Clear Liquid	
Mix Ratio	2:1 (by weight)	
Operation Time	30-60mins@25°C	
Curing Time	6hrs@25°C	
Dry Completely	24-48hrs@25°C	
Solid Contents	100%	
Adhesive Strength (Grade)	0	
Operation Method	Spread/Roller/Self-level	
Operation Temperature	5°C-40°C	
Mixed Viscosity	700-1100cps	
Compressive Strength	52Mpa	
Fineness (μm)	40-80	
Wear Resistance	27mg	
Coverage	0.15kgs/m ² , @1mm	
Shelf Life	12m	

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Metallic Color Pigments Powder

The Metallic Pigments are special effect pigments composed of mica nano-particles coated with various organic and inorganic pigments to create pearlescent and iridescent effects that mimic the natural look of stone and rock formations. These unique pigments are designed to be field blended with a 100% solids clear epoxy binder and, where required, water clear polyurethane binder. When the metallic particles are mixed with epoxy they give the coating a shine that reflects light and creates an eye catching dramatic color. We have got the below color chart for your options, if more colors, pls ask us freely.

Metallic pigments for Epoxy Coatings



The color above are digital representations only of actual test samples. Due to variations in concrete composition age, surface conditions, surface preparation, product mixing, and application techniques, techniques, exact colors will vary. All color samples shown above were applied to a concrete tile samples, previously primed with black tinted epoxy. Test prior to use.



Durable Metallic Epoxy Floor Coatings = No more ugly concrete!

With a floor coating from MTBJZJ FLOORS, your concrete floor will be

- Protective** Resistant to road salt, gasoline, oil and other chemicals.
- Durable** Able to withstand hot tires and rolling.
- Decorative** Striking visual appeal that helps to hide dirt, debris and years of use.
- Clean** Wax free and easy to upkeep with soap & water.
- Economical** Cost effective alternative to pre-engineered floors.
- Monolithic** Seamless solutions going from floor to floor; does not collect dirt, moisture or mold.
- Renewable** After many years of use, system can be revitalized in just 1 day.
- Safe** Anti-slip materials and textures increase slip resistance.
- Warrantied** All coatings carry a full, multi-year warranty; no pro-rating.

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial, residential and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is replacement of our materials and in no event shall we be liable for incidental or consequential damages.

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Do-It-Yourself Epoxy Floor Coating

While there are a number of professional floor coating companies that operate both nationally and internationally, installing your own epoxy floor coating can be a cost-saving and fulfilling way of getting the job done. Although a garage or exercise area might not be the show off room of your house, installing attractive floor coating can help make it more appealing and save money on costly repairs of unsightly cracks and blemishes.

Preparing the Floor and Cleaning

The first step in applying epoxy floor coating is cleaning the floor. All furniture and other items must be cleared from the area, and then any stains should be cleaned as best they can. If a stain is too difficult to clean with consumer or industrial products, consider using a sander, a sandblaster or a high powered grinder across the entire floor space. This can smooth out the floor and make it ideal for epoxy coating. The process is especially important if there is an old layer of paint, epoxy or some other sealant still present on the floor. To test for sealant, pour a small amount of water onto the floor. It should soak in. If it doesn't, and instead forms beads of water on top, the floor has already been sealed.

Moisture is another thing to avoid. A method recommended by Ezine is to tape down a 3 x 3 piece of plastic tarpaulin for two days and then check it to see if there is moisture gathered on the underside of the plastic. If moisture is present, consider some other form of coating.

Once the floor has been tested for suitability, the sander or grinder comes into play. If you do not own or have access to a grinder, putting a board of sandpaper on the end of a long stick or pole and using this tool like a mop can do the job for you. All divots, chips and incorrectly aligned joints need to be repaired. If there is a break in the concrete, the crack should be filled to make the disjunction level. Any sprouting nails or screws should be driven in or tightened so they aren't out of alignment when the primer is applied. Each of these preparation steps may be performed multiple times to ensure the whole surface is well prepared for priming. The process may take several days.

Primer Application

Once the entire floor surface has been prepped for coating, it is time to apply the primer. The primer is applied just like paint and allowed to settle for several hours before the epoxy goes on. This process is very simple and requires general painting tools, like a roller and a splash pan. Directions on the epoxy bottle should be followed, but they generally resemble the following instructions: First, cover the floor in a thin layer of water. Then, dump all your needed epoxy on the ground. Using a roller pin on a pole, spread the epoxy out in a thin layer across the entire floor space. Allow the epoxy to set, usually for about five to six hours.

Finisher Application

Once the primer has dried, it is time to apply the second coat: epoxy finisher. The finisher is applied in the same manner as the primer, minus the water basing. Once the finisher has been allowed to set over night, the floor should look like a show room. A quick sweep and a polish and the floor will be attractive, easy to clean and damage free.

Metallic Marble Stain

