

EPOXY.COM System 315

Polymeric Chip Flooring

Floors have a special role to play in interior design. The heavy technical demands made on floors often make the use of certain decorative products simply impossible. The use of color chips can change all that! Color chips are increasingly being used in combination with "wet" products such as [EPOXY.COM™ System 315 Polymeric Multi-Colored Chip Floor Resurfacing System](#) to create decorative floors with more to offer than other ornamental products...Quality!

The concept is simple. It is a combination of chips and flooring resin. A new product is "born". The flooring resin plays a leading role in the quality of the flooring system. The color chips provide the additional decorative effect.

What is new and unique?

At last there is a high quality seamless floor finish which can be provided in every desirable color combination. Flooring experts have been using this process for a long time. [Epoxy Systems, Inc.](#), which is responsible for the quality of the floor resin, has not stood still over the years. It has developed various new types of resins like [EPOXY.COM™ System 315](#). It even has developed a water-based resin system for walls. These resins are easy to use, by any skilled coating professional. For potential customers, the final result is most certainly new.

Selecting your color

First pick the primary (background color). This color should be at least 40 to 50% of you total mix. The background color is picked from this color chart:



Then pick 2 or more accent or contrasting colors from the chart below, or the chart above:

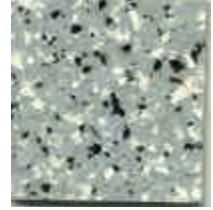


Decide what proportions you want of each color by percent equaling 100%. And we will make it to your order, in multiples of 55 lbs.

Three easy steps of application

The "sandwich" system

EPOXY.COM Chip system is easier to use than most people think. This ease of use also automatically means that work can be done more quickly. Saving time and money, while increasing quality!



Step 1: A layer of flooring resin is applied to a suitable substrate.



Step 2: The application of the color chips can be done by broadcasting the floor to saturation (refusal).



Step 3: The transparent top coat, which is applied in one or more layers, determines the final thickness.



As dazzling as the visual effect is, there is more to making a product successful. There are many factors contributing to the success of EPOXY.COM Chip Flooring.

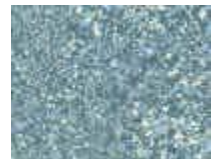
Ease of Application

Many floor companies have difficulty finding good floor layers. The introduction of an easy-to-install product will be appreciated by everyone. The Chip Flooring precludes processing mistakes. It is "fool-proof", because an excess of chips are spread on the still wet floor paint. The extra chips are simply swept up after the floor has dried and can be reused. Taping off is unnecessary. The chips only adhere to the places where the flooring resin has been applied. This inherent simplicity is also the basis for the do-it-yourself product.



Little Preparation

The standard preparation of a floor is necessary when using the Chip Flooring System. The chips cover small cracks and holes, because of the light structure and multi-color effect of the final result. Uneven spots are hardly noticeable. See Epoxy Systems' Technical Bulletins for more details about proper surface preparation.



Cove Base



An integral cove base can be installed to turn your room into a virtual "bathtub".

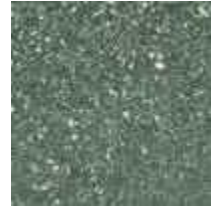


Easy to Disinfect



The highest requirements apply, especially to floors with heavy traffic. The Chip Flooring System offers a finish which is very easy to keep disinfected. The seamless and sealed surface can be cleaned in every possible way. Even with a high pressure water spray. The seamless sealed surface prevents the entry of dirt and bacteria. We can even add an optional anti-microbial to your Chip

Flooring.



Anti-skid



A floor made of EPOXY.COM Flooring Chips is slightly textured and it is this texture that gives the floor good anti-skid qualities. This is especially important for areas where the floor gets wet such as entry ways, and pool sides.

Durable and Reparability

The use of [EPOXY.COM™ System 315](#) provides a durability which can compete with similar types of decorative floors, with a much higher level of durability and reparability. Should the floor show scuffing after intensive use; this can be quickly solved by applying another layer of the transparent top coat. The floor looks new again after just one application.



Color-Fast

Only the best color-fast pigments are used to produce color chips. Even under exposure to strong ultraviolet light, hardly any fading occurs. Used with [EPOXY.COM™ System 315](#) or other flooring resin that does not fade, the color chips create a strong, color-fast system.

Endless Choice of Colors and Effects

EPOXY.COM Color Chips are supplied in many colors and different sizes. Making the right combination of colors creates extraordinary effects. This means that any requirement can be met. The thickness of the top coat can also be varied, yielding different appearance and anti-skid properties.



Proven Experience



Epoxy Systems, Inc. can assist with its large store of experience. Epoxy Systems, Inc. are Consultants, and Resin Compounders. Technical services are handled by the Owner's of Epoxy Systems, Inc. who each average over 20 years of field experience.

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EPOXY.COM Product #315BC

100% Solids Hi-Build Pigmented Polymer Coating

GENERAL DESCRIPTION

Epoxy.com Product #315BC a two component, 100% solids Pigmented Polymer Hi-Build Polymer coating used for high indoor traffic areas where abrasion resistance is required; for protection against mild corrosion; and as a decorative waterproof coating for walls, floors, tanks, etc., and as a base-coating for Epoxy.com Chip Flooring System.

ADVANTAGES

- *Moisture Insensitive*
- *Ceramic like finish*
- *Sprayable*
- *Solvent Free*
- *Waterproof*
- *Extremely Durable*
- *Chemical Resistant*

SURFACE PREPARATION

Surface must be clean and sound. Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, mechanical abrasion, or acid etching. Remove water and dust from all surfaces with an oil-free blast immediately prior to application.

MIXING INSTRUCTIONS

Temperature of Product #315BC must be 50 degrees F or above at time of mixing. Stir each component separately before blending. Mix two parts by volume of Part A with one part by volume of Part B for three minutes with a low speed electric drill motor equipped with a mixing paddle.

APPLICATION

As a Coating System: Apply Product #315BC with a roller, brush, or spray equipment. Two coats are recommended. Thickness per coat should be 7-10 mils. Seven days cure time is required to reach maximum chemical resistance.

As a Base-Coat For Epoxy.com Chip Flooring System: Apply Product #315BC with a roller, brush, or spray equipment at a rate of about 200 square feet per gallon, per coat depending on the substrate. Then broadcast with Epoxy.com Chips. When dry Topcoat with Epoxy.com Product #315.

LIMITATIONS

DO NOT apply at temperatures below 40 degrees F. Surface must be dry. Do not mix the hardener from 315BC with the resin from 315 nor the resin from 315BC with the hardener of 315 or any other product. This cross mixing of materials has not been tested. Doing so may interfere with the proper cure of these materials and other undesirable effects.

SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber gloves.

CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent.

APPLICATION PROPERTIES @77 DEGREES F

Mix Ratio.....	2:1 By Volume
Viscosity (mixed).....	950 CPS
Pot Life (200 gr.).....	30 minutes
Tack Free to Touch.....	10-12 Hours
Initial Cure.....	24 Hours
Final Cure.....	5 Days
Packaging Unit Size.....	1 gal., 5 gal.
Standard Colors for System 315.....	Light Gray, Dark Gray, Taupe, Charcoal, Old Gold, Mocha, Brick Red, Slate Blue, Colonial Green, Deep Blue, Black, Caramel, Gem Grey, Ivy.

TENSILE PROPERTIES

Tensile Strength (ASTM D-638).....	8500 psi. min.
Elongation.....	10%

For more information about this product or any other EPOXY.COM product, please contact:

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EPOXY.COM #315

Seamless Polymeric Multi-Colored Floor Resurfacing System

GENERAL DESCRIPTION

Epoxy.com Product #315 is a seamless, plural component, liquid applied, 100% solids polymeric resin used to produce colored flake and colored quartz floor resurfacing system with superior wear, and chemical resistance. Epoxy.com Product #315 with “multi-colored” flakes, and colored aggregate produces a durable, easy to maintain floor, on both new and old surfaces.

APPLICATIONS

Aisle Ways	Mortuaries
Assembly Plants	Nuclear Plant Floors
Bakeries	Offices
Basement Floors	Photography Processing Areas
Bottling Plants	Power Plants
Break Rooms	Printing Plants
Cafeterias	Produce Preparation Areas
Canning Plants	Pool Decks
Car Washes	Ramps
Cells	Research Facilities
Church Floors	Rest Rooms
Classroom Floors	Rest Area Buildings
Corridors	Restaurants
Educational Facilities	Semiconductor Plants
Entrances	Sewer Plants
Food Plants	Shop Floors
Health Care Facilities	Shopping Centers
Hospitals	Shower Rooms
Kennels	Store Floors
Kitchens	Show Rooms
Laboratories	Supermarkets
Law Enforcement Facilities	Veterinary Facilities
Laundries Locker	Water Plants
Rooms	Warehouses
Manufacturing Areas	& many others
Marine Surfaces	
Meat Preparation Areas	

ADVANTAGES

*LOW ODOR
STRONG YET RESILIENT
VARIABLE SURFACES FROM NON-SLIP TO SMOOTH
ABRASION RESISTANT*

SURFACE PREPARATION

Surface must be clean and sound. Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, mechanical abrasion. If acid etching is used follow with abrasive or mechanical abrasion. Remove water and dust from all surfaces with an oil-free blast, or vacuum, immediately prior to application.

MIXING INSTRUCTIONS

Temperature of Product #315 must be 60 degrees F or above at time of mixing. Stir each component separately before blending. Mix two parts by volume of Part A with one part by volume of Part B for three minutes with a low speed electric drill motor equipped with a mixing paddle.

APPLICATION

BASECOAT: Product #315 can be applied with brush, roller, airless sprayer or squeegee. Apply a coat of #315 to surface to be finished, doing only a small area at a time, applying EPOXY.COM Color Flakes to the surface of the wet resin. This can be done by hand or mechanical means. Make sure that the entire surface is completely covered (no shiny spots visible). Allow them to dry. Then remove excess Colored Flakes. Repeat this process a second time if a “three dimensional” effect is desired.

TOPCOAT: Apply a squeegee, roll, or spray coating of clear #315 to the surface of the basecoat. If a smoother finish is required, the surface may be sanded and additional coat(s) of clear #315 applied.

LIMITATIONS

New concrete should be at least 28 days old. Temperature of substrate must be above 50 degrees F. DO NOT thin. For outdoor use contact Epoxy Systems, Inc. for technical assistance.

OPTIONAL FEATURES

INTEGRAL COVE BASE
MEDIUM, FINE, and SMOOTH TEXTURES

SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber gloves.

CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent.

APPLICATION PROPERTIES @77 DEGREES F

Viscosity (mixed).....	450 CPS
Pot Life (200 gr.)	30 minutes
Cure Time (Walk-on Traffic)... ..	24 hours
Cure Time (Truck Traffic)	48 Hours
Final Cure....	7 Days
Packaging (unit size).....	3 gal., 15 gal, and 45 gal. Units.

PHYSICAL PROPERTIES (neat)

Bond Strength (ASTM C-882).	2110 psi
Flexural Strength (ASTM C-580-68).....	6100 psi (7 days)
Compressive Strength (ASTM D-695) ..	9900
Absorption (ASTM D-570)	0.7%
Thermal Shock	40 Hrs @10 Degrees F., 3 Min. @ 212 Degrees F. shock water 33 Degrees F.
Hardness (Shore D).....	65 @ 24 Hours, 75 @ 7 days

For additional information please contact:

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