

Epoxy Systems'TM Product #315

Polymeric Multi-Colored Flake Floor Resurfacing System

GENERAL DESCRIPTION

Product #315 is a seamless, plural component, liquid applied, 100% solids polymeric colored flake floor resurfacing system with superior wear, and chemical resistance. Product #315 with "multi-colored" flakes 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	Water Plants
Locker 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 ESI™ 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).....	11000
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:

Epoxy Systems, Inc.

74 Plains Road
Jericho, Vt. 05465
(802) 899-2844
(802)-899-3843 (fax)

info@epoxysystems.com(Internet)
<http://www.EpoxySystems.com> (WWW)
<ftp://ftp.EpoxySystems.com> (Public FTP)

This information is presented in good faith to assist in determining whether this product is suitable for application. No warranty or representation, however, is intended or made, nor is protection from any law or patent to be inferred, and all patent rights are reserved.....94104Epoxy Systems™ Product #315

CHEMICAL RESISTANT CHART

The following Resistance Guide will aid in determining the effect of various chemicals to Epoxy Systems™ Product #315. Results are based on a 7 day spot chemical resistance test @ 77°F. A rating system for this guide is as follows:

- 0 - Excellent Resistance (Highly Recommended)
- 1 - Slight effect, some staining possible (Recommended)
- 2 - Swelling, softening or staining (Marginal)
- 3 - Poor or no resistance (Not Recommended)

- A - Softening
- B - Staining
- X - No Resistance
- B - Spills OK but not for immersion

Reagent	Conc.	Clear	Pigmented
ACIDS			
Acetic	5%	0	0
Acetic	10%	1	1
Acetic	20%	1	1
Acetic	Glacial	2	2
Citric	10%	0	0
Lactic	10%	1	1
Chromic	2%	1	1
Hydrochloric	10%	0	0
Hydrochloric	37%	0	0
Nitric	10%	2S	2S
Nitric	20%	2S	2S
Phosphoric	10%	1	1
Phosphoric	35%	2	2
Phosphoric	80%	2S	2S
Sulfuric	30%	1	1
Sulfuric	50%	1	2
Sulfuric	70%	2X	3X

KETONE-ESTERS			
Acetone	100%	1B	1B
Methyl Ethyl Ketone	100%	0	1B
Ethyl Acetate	100%	0	0
PM Acetate	100%	0	0

SOLVENTS-CHLORINATED, AROMATIC, & MISC.			
Methylene Chloride	100%	3	3
1,1,1 Trichloroethane	100%	0	0
Perchloroethane	100%	0	0
SC-100	100%	0	0
Toluol	100%	0	0
Xylol	100%	0	1B
Butyl Cellosolve	100%	0	0
2-Nitropan	100%	0	0

SOLVENTS-ALIPHATIC & BRAKE-HYDRAULIC FLUIDS

Gasoline	100%	0	0
Mineral Spirits	100%	0	0
Hexane	100%	0	0
A-1 Jet Fuel	100%	0	0
Brake fluid-Auto	100%	1A	1A
HY-JET #3	100%	1A	2A
Skydrol 500A	100%	1A	1A
Skydrol 500B	100%	1A	1A

ALCOHOLS

Ethyl Alcohol	100%	1B	1B
Ethylene Glycol	100%	0	0
Isopropyl Alcohol	100%	0	0
Methyl Alcohol	100%	0	0

ALKALIZES AND SALTS

Ammonium Hydroxide	10%	0	0
Ammonium Hydroxide	20%	0	0
Ammonium Hydroxide	50%	0	1
Sodium Hydroxide	10%	0	0
Sodium Hydroxide	50%	0	1
Ammonium Nitrate	20%	0	0
Calcium Chloride	20%	0	0
Sodium Chloride	20%	0	0
Calcium Chloride	20%	0	0
Trisodium Phosphate	10%	0	0

MISCELLANEOUS CHEMICALS

Beer	100%	0	0
Catsup	100%	0	0
Cola	100%	0	0
Grease	100%	0	0
Milk	100%	0	0
Motor Oil	100%	0	1
Mustard	100%	0	0
Orange Juice	100%	0	0
Sodium Hypochlorite	100%	0	1
Sugar	100%	0	0
Turpentine	100%	0	0

The product tested was mixed and applied to a water based "primed" panel in accordance to standard industry specifications and allowed to cure for a minimum of 7 days @ 77°F prior to testing.

The information contained herein, is to the best of our knowledge and belief, accurate, and is to be used as a guide to product selection. However, since the conditions of handling, installation and use are beyond our control, we make no guarantee of results. Where questions to resistance to a specific chemical spillage or durability of the product exists, a test application is always recommended.