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# Chemical Resistant Chip Flooring Top Coating

## Seamless Resurfacing System

### Epoxy.com Product #315TOP

Best Clear Epoxy Material for Installing Seamless Epoxy Chip Flooring

For Chip Flooring Systems and for Sealing Acid Stained Concrete

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## GENERAL DESCRIPTION

**Epoxy.com Product #315TOP Chemical Resistant Epoxy Resin Flooring / Floor Resurfacing System for Seamless Epoxy Chip Flooring** is a two component, seamless 100% solids clear epoxy flooring / floor resurfacing system with **High Chemical Resistance**. The epoxy may be applied as a coating, or combined as a top coating for Epoxy.com Chip Flooring to produce a durable, easy to maintain floor, on both new and old surfaces.

Although **Epoxy.com Product #315TOP Epoxy Chemical Resistant Flooring Resurfacing System for Seamless Chip Flooring** is primarily used as a flooring and mortar resin is one of Epoxy.com's most versatile products. It is also commonly used for resealing epoxy bonded stone, to seal acid stained floors and as a

carbon composite and fiberglass layup resin.

## APPLICATIONS

- Aisle Ways
- Assembly Plants
- Bakeries
- Basement Floors
- Bottling Plants
- Break Rooms
- Cafeterias
- Canning Plants
- Car Washes
- Cells
- Chemical Storage Areas
- Chemical Processing Areas
- Church Floors
- Classroom Floors
- Corridors
- Educational Facilities
- Entrances
- Epoxied Stone Recoating
- Food Plants
- Fork Lift Areas
- Health Care Facilities
- Hospitals
- Kennels
- Kitchens
- Laboratories
- Law Enforcement Facilities
- Laundries
- Leveling concrete
- Loading docks
- Locker Rooms
- Machine Shops
- Manufacturing Areas
- Marine Surfaces
- Meat Preparation Areas
- Mortuaries
- Nuclear Plant Floors
- Offices
- Patching concrete
- Photography Processing Areas
- Power Plants
- Printing Plants
- Produce Preparation Areas
- Pool Decks
- Ramps
- Research Facilities
- Rest Rooms
- Restaurants
- Semiconductor Plants

- Sewer Plants
- Sealing "Epoxy and Stone" Decking
- Shop Floors
- Shopping Centers
- Shower Rooms
- Store Floors
- Show Rooms
- Supermarkets
- Veterinary Facilities
- Water Plants
- Warehouses
- [Wooden Floors](#)
- & many others

## ADVANTAGES

- LOW ODOR
- CHEMICAL RESISTANT
- STRONG YET RESILIENT
- VARIABLE SURFACES FROM NON-SLIP TO SMOOTH
- ABRASION RESISTANT
- ZERO VOCs - MEETS EVEN THE STRICTEST LOW VOC REQUIREMENTS
- MEETS USDA STANDARD FOR USE IN FOOD HANDLING APPLICATIONS

## SURFACE PREPARATION

Surface to receive **Epoxy.com Product #315TOP Epoxy Chemical Resistant Flooring Resurfacing System for Seamless Epoxy Chip Flooring** 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. See [Epoxy.com Surface Preparation Guide](#) for more details.

## MIXING INSTRUCTIONS

Temperature of **Epoxy.com Product #315TOP Epoxy Chemical Resistant Flooring Resurfacing System for Seamless Epoxy Chip Flooring** must be 65 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

**Epoxy.com Product #315TOP Epoxy Chemical Resistant Flooring Resurfacing System for Seamless**

**Epoxy Chip Flooring** can be applied with brush, roller, trowel, airless sprayer or squeegee. Apply a coat of #15 to surface to be finished, doing only a small area at a time. If anti-skid is required, (while epoxy is still wet) it may be broadcast with aggregate. 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 sweep off excess aggregate. Sand surface (if required) to desired texture. If broadcast with sand a top-coat over the entire surface.. For more information on installation please see:

New concrete to receive **Epoxy.com Product #315 Epoxy Chemical Resistant Flooring Resurfacing System for Seamless Epoxy Chip Flooring** should be at least 28 days old. Temperature of substrate must be above 55 degrees F. DO NOT thin. For indoor use (except when used to seal [Epoxy.com Product #17](#) or similar product) contact Epoxy.com for technical assistance.

## OPTIONAL FEATURES

- INTEGRAL COVE BASE
- AGGRESSIVE, MEDIUM, FINE, and SMOOTH TEXTURES
- FINALCOAT OF URETHANE FOR EXTENDED DURABILITY AND WEAR
- CLEAR, SOLID, OR MULTI-COLORED
- VARYING THICKNESS FROM 10 MILS TO 4 INCHES
- EPOXY.COM WARE CODED LAYERS

## 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.

<b>APPLICATION PROPERTIES @77°F</b>	
Mix Ratio	2:1 By Volume
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
VOC Content	0.0 lbs per Gallon (Zero VOC)
Packaging (unit size)	15 gal. Units (5 gal pails)

<b>PHYSICAL PROPERTIES (neat)</b>	
Bond Strength (ASTM C-882)	2110 PSI
Flexural Strength (ASTM D-2240)	6075 PSI (7 days)
Compressive Strength (ASTM D-695)	9910

Absorption (ASTM D-570)	0.6%
Thermal Shock	40 Hr. @10° F., 3 Min. @ 212° F. Shock Water @ 33° F.
Hardness (Shore D)	65 @ 24 Hours, 75 @ 7 days

## Estimating Coverage

For a 1/8 inch double broadcast system you can use the [material calculator](#) for Epoxy.com Product #15.

Reagent	CHEMICAL TEST TIME MONTHS				
	1	3	6	9	12
WATER, DISTILLED	+	+	+	+	+
SEAWATER	+	+	+	+	+
SULFURIC ACID, 10%	+	+	+	S	S
SULFURIC ACID, 30%	+	+	S	-	-
SULFURIC ACID, 70%	+	S	-	-	-
HYDROCHLORIC ACID, 10%	+	+	+	+	+
HYDROCHLORIC ACID, 20%	+	+	+	+	+
HYDROCHLORIC ACID, 36%	+	+	+	+	+
HYDROCHLORIC VAPOR	+	+	+	+	+
ACETIC ACID, 5%	+	+	-	-	-
ACETIC ACID, 10%	-	-	-	-	-
AMMONIUM HYDROXIDE, 10%	+	+	S	S	-
AMMONIUM HYDROXIDE, 25%	+	S	-	-	-
SODIUM HYDROXIDE, 20%	+	+	+	+	+
ACETONE	-	-	-	-	-
BUTANONE	-	-	-	-	-
BUTYL ACETATE	+	+	S	S	S
DIACETONE ALCOHOL	+	+	+	+	+
CELLOSOLVE	S	S	S	S	S
ETHANOL, 50%	+	+	+	-	-
ETHANOL, 96%	-	-	-	-	-
OCTANOL	+	+	+	+	+
XYLENE	+	+	+	+	+
TOLUENE	+	+	+	+	+
BENZENE	+	+	S	S	S
SKYDROL	+	+	+	+	+
TRICHLOROETHYLENE E	+	+	S	S	S
CRUDE OIL	+	+	+	+	+
GASOLINE, 98 OCTANE	+	+	+	+	+
ACETAL GLACIAL	-	-	-	-	-
CITRIC 10%	+	+	+	+	+
CITRIC 50%	+	+	+	+	+
FATTY ACID (LINSEED)	+	+	+	+	+

LACTIC (DAIRY PRODUCTS)	+	+	+	+	+
NITRIC 10%	+	-	-	-	-
NITRIC 20%	+	-	-	-	-
NITRIC 30%	+	-	-	-	-
PHOSPHORIC	-	-	-	-	-
ALLYL CHLORIDE	+	S	S	S	S
CARBON TETRACHLORIDE	+	+	+	+	+
DIETHYLENE TRIAMINE	-	-	-	-	-
ETHYL ALCOHOL	-	-	-	-	-
ETHYLENE DIAMINE	-	-	-	-	-
FORMALDEHYDE	-	-	-	-	-
METHYL ETHYL KETONE	S	-	-	-	-
ISOPROPYL ALCOHOL	+	+	+	+	+
METHYL ISOBUTYL CARBINOL	+	+	+	+	+
METHYL ISOBUTYL KETONE	S	S	S	S	S
MINERAL SPIRITS	+	+	+	+	+
DETERGENTS ANIONIC 2%	+	+	+	+	+
CALCIUM HYPOCHLORITE 5%	+	+	+	+	+
SODIUM CHLORITE 25%	+	-	-	-	-
SODIUM HYPOCHLORITE 5%	+	-	-	-	-
<b>STAIN RESISTANCE</b>					
BUTTER	+	+	+	+	+
CITRUS JUICES	+	+	+	+	+
COFFEE	+	+	+	+	+
COLA	+	+	+	+	+
GREASE	+	+	+	+	+
HAIR TONIC	+	+	+	+	+
INK	+	+	+	+	+
LARD	+	+	+	+	+
LIPSTICK	+	+	+	+	+
LIQUOR	+	+	+	+	+
MILK	+	+	+	+	+
MINERAL OIL	+	+	+	+	+
MUSTARD	+	+	+	+	+
VINEGAR	+	+	+	+	+
SANDBLASTED STEEL PANELS, COATED WITH AN AVERAGE OF 14 MIL FILM THICKNESS, IMMERSSED IN THE VARIOUS MATERIAL FOR UP TO ONE YEAR					
+ = Resistant   S= Softened   -= Attacked					

## Material Certification of LEED Requirements

Epoxy.com a division of Epoxy Systems, Inc. certifies that Epoxy.com Product #15 meets or exceeds LEED requirements as summarized below:

### LEED Credit IE 4.2:

Indoor Environmental Quality/Air Quality Before Occupancy Materials meet the requirement for

VOC content Pertaining to LEED IEQ 402 Indoor Emitting Materials Credit. Refer to the individual product component technical data sheets and MSDS for further information.

## Certificate of Origin

**This product is made and or assembled in the USA.**

Proper mixing and installation is critical to the optimal success of all products. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

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**321-206-1833 Customer Service - Ordering and Order Status**  
**Katey Lambert-Fontaine, VP - Chief Operations Officer**  
[sales@epoxy.com](mailto:sales@epoxy.com)

**Technical Support**  
**352-533-2167 Norm Lambert, President - Technical Support Director**  
[info@epoxy.com](mailto:info@epoxy.com)

**352-489-1666 Accounting and Administration**  
**Debby Lambert, CEO, and CFO Debby Lambert, CEO, and CFO**

**352-489-1625 Fax line to all Departments**

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