



Epoxy.com Product #15

Chemical Resistant Epoxy Resurfacing System

GENERAL DESCRIPTION

Epoxy.com Product #15 is a two component, seamless 100% solids epoxy clear resurfacing system with High Chemical Resistance. The epoxy may be applied as a coating, or combined with silica sand or Epoxy.com multi-colored quartz aggregate to produce a durable, easy to maintain floor, on both new and old surfaces.

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
- ✦ Isle Ways
- ✦ 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
- ✦ Nursing Homes
- ✦ 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
- ✦ AND MORE

Although 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, and as a carbon composite and fiberglass layup resin.

ADVANTAGES

LOW ODOR

CHEMICAL RESISTANT

STRONG YET RESILIENT

VARIABLE SURFACES FROM NON-SLIP TO SMOOTH

ABRASION RESISTANT

ZERO VOCs

Meets USDA standards for use in food handling applications

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 #15 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 #15 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 will be required if cleanability is important. For more information on installation please see:

LIMITATIONS

New concrete 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

FINAL COAT OF URETHANE FOR EXTENDED DURABILITY AND WEAR

CLEAR, SOLID, OR MULTI-COLORED

VARYING THICKNESS FROM 10 MILS TO 4 INCHES

Epoxy.com's™ 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.

APPLICATION PROPERTIES @77 DEGREES F	
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)

PHYSICAL PROPERTIES (neat)	
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 Degrees F., 3 Min. @ 212 Degrees F. shock water 33 Degrees F.
Hardness (Shore D)	65 @ 24 Hours, 75 @ 7 days

CHEMICAL RESISTANT CHART

Reagent	CHEMICAL TEST TIME MONTHS				
	1	3	6	9	12
WATER, DISTILLED	+	+	+	+	+
SEAWATER	+	+	+	+	+
SULFURIC ACID, 10%	+	+	+	+	S
SULFURIC ACID, 30%	+	+	+	-	-
SULFURIC ACID, 70%	+	+	+	-	-
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%	+	-	-	-	-
STAIN RESISTANCE					
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					

**FOR INDUSTRIAL USE ONLY
KEEP AWAY FROM CHILDREN**

For more information please contact:

Epoxy.com.

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