



Epoxy.com Product #214

100% Solids Epoxy Casting Resin

GENERAL DESCRIPTION

Epoxy.com Product #214 is an all-purpose, low viscosity Epoxy System for coating wood and concrete counter tops, tabletops, bar tops and similar applications. Product #214 is commonly used as a clear self-leveling flooring material, where an extremely flat and level floor is required over concrete and wood. Epoxy.com Product #214 is used extensively for ultra flat leveling of surfaces under equipment, where a very strong ultra flat bearing surface is a must. It is also used successfully for ultra flat floors for stages, dance floor, and clean rooms Also used as a clear adhesive matrix for specialty colored glass and colored aggregate flooring and tiles. Product #214 forms a glossy, hard surface, which is resistant to stains. Product #214 has excellent clarity and color retention. It is essentially odorless and can therefore be used in occupied areas.

ADVANTAGES

- ✚ Low odor for use in occupied areas
- ✚ Low viscosity - good wetting properties
- ✚ Meets USDA standards for use in food handling applications
- ✚ Glossy finish
- ✚ Stain resistant

CONSIDERATIONS

- ✚ Minimum application temperature of Normal Cure 50 Degrees F.
- ✚ Substrate must be free of curing agents and any foreign materials.

SURFACE PREPARATION

Surface Preparation is the most critical portion to any successful epoxy application. All substrates must be properly cleaned and prepared. Substrate must be free of oil, paint, sealer, caulking, and all other contamination that will interfere with the bonding of this material. Please see [Surface Preparation](#). Contact Epoxy.com for more details.

MIXING INSTRUCTIONS

Stir each component separately. Combine 2 parts A to one part B by volume into a clean container. Stir for three minutes, scrapping bottom and sides of container frequently. Do not add thinners.

APPLICATION PROPERTIES @77 DEGREES F	
Mix Ratio	2:1 By Volume
Viscosity (mixed)	950 CPS
Pot Life (200 gr.)	30-40 minutes @ 70 degrees F.
VOC	0
Cure Time (recoat)	10-14 Hours
Ultimate cure @ 74 Degrees F.	5 days
Color	Clear
Packaging Unit Size	3 gallon units
Performance Properties	
Tensile Strength ASTM D-638	8500 p.s.i
Elongation ASTM D-638	5.5%
Adhesion to metal	2500 p.s.i
Adhesion to concrete ACI Committee 403	350 p.s.i (Concrete fails)
Hardness ASTM D-2240	80 (Shore D)
Abrasion Resistance ASTM C-501	35-40 mg loss (CS-17 wheel, 1kg load, 1000 Cycles)
Service Temperature MIL-D-3134F	160 F (Immersion) 185 F (Dry Heat)
Impact Resistance MTI-D-3134F ss 4.7.3	Withstands 16ft/lbs no cracking, delamination or Chipping.
Indentation MIL-D-3134F ss 4.7.4	Withstands 2000 lbs./sq. in. for 30 minutes without indentation
Elevated Temperature Resistance MIL-D-3134F ss 4.7.5	No slip or flow at required temperatures at 158 F.
Water Absorption ASTM D-670-63 (24 hour immersion)	0.10% maximum
Flexural Strength ASTM D-790	8000 p.s.i
Compressive Strength ASTM D-695	11000 p.s.i

APPLICATION

Will vary with application method. Be careful not to incorporate bubbles into the coating. If a second coat is desired, lightly sand the first coat, remove all dust, and then apply second coat.

SAFETY PRECAUTIONS

For industrial use only. Keep away from children. Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using. Avoid contact with skin or eyes. Prolonged or repeated exposure may cause eye and skin irritation. If skin contact occurs, wash immediately with soap and water. If contact with eyes occurs, flush eyes as required with clean water 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.

CHEMICAL RESISTANCE			
Acetic Acid 5%	L	Lactic Acid- 15%	R
Acetone	L	Methyl Ethyl Ketone	L
Methyl Ethyl Ketone	L	Nitric Acid 10%	R
Bleach	L	Sodium Hydroxide 50%	R
Citric Acid 30%	R	Skydrol	R
Crude Oil & Diesel Fuel	R	Sulfuric Acid 20%	R
Ethylene Glycol	R	Toluene	R
Fatty Acids	L	Urea	R
Gasoline	R	Vinegar	L
Hydrochloric Acid 15%	R	Xylene	R

R=Recommended for continuous service L=Limited recommendation, occasional spills.

Coverage: 231 cubic inches per gallon. At 1/8 inch thick 12.8 SF Per gallon.

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

For more information please contact:

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