



COUNTERFORM

CONCRETE COUNTERTOP SOLUTIONS

Ultra Z Poxy

Product Description

Ultra Z Poxy is a solvent-less, two component epoxy coating system. It exhibits a crystal clear high gloss appearance and offers superior stain and chemical resistance. The durability makes this sealer ideal for high-traffic areas both on floors and countertops and may be used over numerous substrates. When applying over concrete, a darkening “wet look” is to be expected. Both solid and metallic powdered pigments may be added to color the epoxy. For indoor use only.

Features and Benefits

- Dense surface resistant to bacteria and moisture and easy to clean.
- May apply several layers on itself with excellent adhesion.
- Contains no solvent with a very low VOC content (VOC = 75.4 g/liters), allowing for interior application without harmful odors.
- Excellent adhesive properties, allowing application on other firm and hard coatings, as well as a good bond to the substrate.

Technical Information

Color.....Part A: Clear, Part B: Clear to Amber

Recommended Thickness

Primer Coat.....8 MILS (200 sq. ft. / gal)

Finish Coat.....16 MILS (100 sq. ft. / gal)

Max Recommended.....80 MILS (20 sq. ft. / gal)

Heat Resistance

Solids % Weight (Federal Spec. TTP-141B) 100%

Shelf Life - 12 months in original unopened package. Store in temperature controlled environment away from direct sunlight.

Flammability - Class I (not considered flammable, flash point > 200°F)

VOC..... 75.4 grams/liter

Mix Ratio..... 2 parts A to 1 part B

Coverage varies depending on thickness

Pot Life 45 minutes @ 72°F

Thinner Recommended.....Xylene

Traction Resistance (PSI), ATSM D638.....6500

Compressive Strength (PSI), ATSM D695.....14000

Elongation (%) , ATSM D638.....6.7

Mold Growth, ATSM D3273.....10 (highest resistance)

Fungi Growth, ATSM G21.....0 (no growth)

Coverage

Thickness	Distance
Primer Coat - 8 MILS	200 sq. ft. / gal
Top Coat (Floors) - 16 MILS	100 sq. ft. / gal
Top Coat (Countertop) - 40 MILS	40 sq. ft. / gal
Max Thickness - 80 MILS	20 sq. ft. / gal

Properties @ 72°F and 50% R.H.

Density (KG/L)	Part A 1.05 - 1.10	Part B 0.9 - 1.0		
Recoat Time	Substrate Temperature	Minimum	Maximum	
	50°F	24 Hours	72 Hours	
Applying over primer coat (8 MILS)	68°F	12 Hours	48 Hours	
	86°F	6 Hours	24 Hours	
Applying top primer coat (16 MILS)	50°F	30 Hours	72 Hours	
	68°F	24 Hours	48 Hours	
	86°F	16 Hours	24 Hours	
Curing Detail	Substrate Temperature	Foot Traffic	Light Traffic	Full Cure
	50°F	30 Hours	5 Days	10 Days
	68°F	24 Hours	3 Days	7 Days
	86°F	16 Hours	2 Days	5 Days
**Times are approximate and will be affected by changing ambient conditions, especially in temperature and relative humidity.				
Bond Resistance (PSI), ATSM D4541	> 300 (Substrate Rupture)			
Permiability (%), ATSM D570	0.3%			
Hardness (Shore D), ATSM D2240	85-90			
Abrasive Resistance. ATSM D4060 (CS17 / 1000 Cycles / 1000G)	0.10 G			
Viscosity @ 77°F	Part A 1200-1400	Part B 150-350	Mix 600-800	

Instructions

Surface Prep (Countertops): Ultra Z Poxly can be applied to nearly any substrate but proper steps should be taken to promote adhesion. In most cases, this will mean either sanding, grinding, sand blasting or acid etching to produce a clean and rough surface. **CONCRETE:** Should be allowed to cure for a minimum of 14 days. If previously sealed or coated, all coatings should be fully removed either through mechanical or chemical methods. Concrete must be sanded no finer than 60 grit to remove all surface laitance (a layer of weak and nondurable cement and fines aggregates, brought by excess bleeding or by premature/ improper finishing). Next, thoroughly rinse concrete to remove all dust/ debris and allow to fully dry. **WOOD:** Should be sanded no smoother than 60 grit. All previous coatings, wax or oils should be removed either through mechanical or chemical methods. Surface should be 100% clean, dry and free of any dust/ debris. **OTHER:** Please contact us for more information.

Surface Prep (Floors): Ultra Z Poxly can be used over concrete floors in a solid color, metallic, or flake system. New concrete should be cured for at least 28 days. Old concrete should be cleaned to remove any previous coatings, sealers, oils, and/ or other surface contaminants. All concrete should be diamond ground to 30 grit or coarser and properly cleaned to remove all dust and debris.