



# COUNTERFORM

CONCRETE COUNTERTOP SOLUTIONS

## Z Aqua-Poxy

### Product Description

Z Aqua-Poxy™ is a specially formulated, two component, low viscosity two part coating/primer for interior use. This product provides a tough, scratch resistant, coating that may be used as the finish coat or as a primed surface for other high performance coatings to eliminate color changing effects.

### Features and Benefits

- Proved glossy, abrasion resistant finish.
- Excellent chemical resistance.

### Typical Application

Z Aqua-Poxy is recommended as a primer or finish coat on properly prepared concrete surfaces. This may include stained or dyed floors, concrete countertops, interior overlays/microtoppings, and interior ornamental concrete. Aqua-Poxy does not typically wet out (darken) concrete as much as its solvent based counterparts, thus can be more favorable when color change is not desired.

### Technical Information

Abrasion Resistance..... 54-65 mg loss <small>(Tabler Index, ASTM 4060-81, CS-17 Abrasion Wheel, 1000 gram load)</small>	VOC..... < 200 grams/liter
Gloss 60..... 86	Mix Ratio..... 1 to 1
Elongation (ASTM D882-67) ..... 5.1 - 7.1%	Coverage (3 mils drf.) ..... 125 sq. ft. / .5 gal kit
Flexibility (1/8" Mandrel) ..... Pass	Viscosity ..... 200 - 300 cps
Hardness (7 days) ..... F	Pot Life ..... 1 hour
Heat Resistance ..... 300°F	Dry Time-Set to touch (50% R.H. @ 72 F)..... 40 mins
Water Resistance ..... Excellent	Dry Time-Recoat (50% R.H. @ 72 F)..... 4-8 hours
Solids % Weight (Federal Spec. TTP-141B) ..... 40%	Dry Time-Light Traffic (50% R.H. @ 72 F)..... 14 hours
Density lbs/Ga. (Federal Spec. TTP-141B) ..... 8.54	Dry Time-Cure (50% R.H. @ 72 F)..... 24 hours
	Dry Time-Set to touch (50% R.H. @ 72 F)..... 3-5 days

### Chemical & Stain Resistance (ASTM D-1308 18 Hour Immersion)

Toluene	No Effect	Urine	No Effect
Ethanol	No Effect	Motor Oil	No Effect
Sulfuric Acid (10%)	No Effect	Transmission Fluid	No Effect
Acetic Acid (3%)	No Effect	Wine	Slight Stain
Mustard	No Effect	Coffee	No Effect

## Coverage

### Application Surface

Prepped Concrete

### Distance

75-100 sq. ft. @ 2 - 3 coats

\*Coverage will vary depending on surface porosity and texture. Excessive build up should be avoided.

## Instructions

**SURFACE PREPARATION:** New concrete should be sanded to no finer than 220 grit. Make sure surface is completely dry before application. A vapor test should be performed prior to application. This can be done by taping a 16" X 16" clear plastic sheet to your countertop so that it is air tight. If after 24 hours there is no moisture on the concrete surface or plastic sheet, then the concrete is ready to coat. Prepare surface of concrete using Z Grit-Disc™. Surface should be sanded up to 220 grit before applying Z Aqua-Poxy™. Make sure the concrete surface is dry and free of any oil, dirt, grime, wax, detergent, or any incompatible coating. If the concrete has an existing coating on it, the coating must be removed or thoroughly sanded prior to applying Z Aqua-Poxy. After removing or sanding existing coat, it is strongly recommended a test be done on a small area to ensure adequate adhesion. Substrate temperature must be no less than 55°F and not exceed 90°F. Avoid applying Z Aqua-Poxy in high humidity atmospheres. If applied outside of these limits product failure may result.

**PRODUCT MIXING:** Mix exactly 1 part A to 1 part B. Mix thoroughly to ensure uniform coating and curing properties. No induction time is needed. Make sure to only mix as much material as can be applied within 1 hour.

**APPLICATION:** Apply Z Aqua-Poxy using a 3/8"-1/2" shed-free, phenolic core roller. Apply evenly and do not allow to puddle. Always keep a wet edge. Back rolling is necessary to achieve a uniform, roller mark free application. It is recommended to recoat within 24 hours of applying first coat (suggested 10-12 hours after first application). If recoat time exceeds 24 hours, light sanding is recommended to ensure proper adhesion. If using Z Aqua-Poxy as a primer for Z Poxy, application of the finish coats should be done within 24 hours.

**PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area. Coverage rates may vary for all coatings depending on concrete porosity, density, and texture as well as application thickness.

## Clean-Up and Removal

Use PM solvent. Dispose of containers in accordance with local and federal regulations. Dried, cured product may be removed with a commercial stripper, but recommended removal is by way of mechanical means, including sanding, shotblasting, etc.

## Precautions and Limitations

- Z Aqua-Poxy will not freeze during storage, however, allow temperature to rise to a minimum of 50 °F prior to application.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- Be aware this product may be slippery when wet. Anti-slip additive may be needed to reduce slip hazard on certain surfaces.

•• If applying over an existing colored surface, proper adhesion and compatibility tests are essential. When using this product, the substrate preparation, application, performance and all other liabilities are strictly the end users responsibility. CCS and it's affiliates offers no guaranty, warranty or other claims to the success or results from the use of this product. CCS warrants the product to be free of defects and will replace or refund the purchase price of the product in the case that said products are proven defective. Any consequential damages including any labor costs are not covered by this warranty and are therefore not recoverable from the manufacturer or associated reseller.