



# POLY ALL 250C

## PARTS A & B

### HIGH GLOSS PROTECTIVE COATING / TOP COAT

**POLY ALL 250 IS A SPECIALLY FORMULATED, TWO COMPONENT ACRYLIC URETHANE THAT IS 37% SOLIDS. IT IS A NON-YELLOWING CLEAR COATING THAT CAN BE USED FOR INTERIOR/EXTERIOR CONCRETE OR CEMENT BASED OVERLAYS.**

#### PRODUCT HIGHLIGHTS

- Excellent long term wear capabilities.
- Excellent UV Stability allowing the product to be suitable for both interior and exterior applications.
- Stain Resistant
- Ratio: 2:1 (2 Parts A to 1 Part B)
- Curing/Dry time (@72 F)

Recoat: Indefinite

Tack Free: 2-4 hrs.

Light Traffic: 24 hrs.

Heavy Traffic: 3 days

Full Cure: 7 days

#### PERFECT FOR

Poly All 250 is recommended as a high gloss protective/top coat for interior and exterior concrete surfaces including cement based overlays.

- Interior/exterior applications.
- Decorative concrete surfaces in commercial, retail and high traffic areas.
- Great for Industrial applications.

#### QUICK LOOK: PART A

**Solids:** 37%

**Ratio:** 2 A: 1 B

**Toxicity:** Harmful if swallowed

**VOC's:** Low

**Flammability:** Flammable

**Composition:**

**Color:** Clear

**Odor:** Strong Solvent smell

**Coverage:** 250-350 sq ft/gal depending on application preference/desired results of installer. Needs to be applied at temperatures between 55°-80°F.

*\*Coverage rates may vary depending on porosity, texture, and application method.*

FOR MORE INFORMATION,  
PLEASE SEE SDS.



#### QUICK LOOK: PART B

**Type:**

**Ratio:** 2 A :1 B

**Toxicity:** Harmful if swallowed, or inhaled

**VOC's:** Low

**Flammability:** Flammable

**Composition:**

**Color:** Clear

**Odor:** Strong Solvent Smell

**Coverage:** 250-350 sq ft/gal depending on application preference/desired results of installer. **Needs to be applied at temperatures between 55°-80°F.** *\*Coverage rates may vary depending on porosity, texture, and application method.*

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## HOW TO USE:

**SURFACE PREP:** Although Polyurethane 250 has adhesion capabilities to challenging substrates, always profile the substrate as well as possible. Whenever possible acid etch the surface using a floor machine with a nylogrit brush. Follow the printed EZChem Guidelines for surface preparation. If acid etching is not possible, clean the surface with a floor machine and nylogrit brush. Use Citra Pro, 1 part to 8 parts water. Do not let detergent residue dry on the concrete. Rinse well. Acid stained surfaces must be scrubbed with Super Blue Neutralizer, 8 oz. to 4 gallons of water. Rinse well and allow to dry overnight.

**MIXING INSTRUCTIONS:** Mix only that amount of product that can be used in a two-hour period at 77° F. Higher temperatures reduce pot life. The combining ratio is 2 parts A to 1 part B. **Proportion the amounts carefully and mix for one full minute using a low speed drill, scraping the bottom and sides of the mixing vessel.** Avoid contamination with moisture. Reseal partially used containers completely after use.

**APPLICATION RECOMMENDATIONS:** Polyurethane 250 may be applied by brush, roller, or airless sprayer. If rolling the material, use a 1/2 inch roller cover, work out of a 5 gallon pail or roller pan using the dip and roll method. Do not pour the material onto the floor. Because the material dries quickly, apply liberally and work small areas. Application rate should be 200-300 sq. ft. per gallon. **Do not over-apply or allow to puddle as solvent entrapment may occur. Do not use solvent acrylic sealers as a primer for this material.**

**RECOATING GUIDELINES:** Polyurethane 250 has an indefinite recoat window when being recoated with itself. If recoating with Polyurethane 100 and more than 24 hours has elapsed, reduce the material with approximately 15% acetone (1 pint acetone to 1 gallon of mixed material). If recoating the Polyurethane 250 with Polyurethane 501 and more than 24 hours elapses, degloss the surface using a floor machine and a black janitor pad. Following these procedures will ensure good intercoat adhesion.

**HANDLING PRECAUTIONS:** Material is flammable. Extinguish all flames, pilot lights and electric motors until vapors are gone and the coating is hard. The vapor is harmful. Use only with adequate ventilation or appropriate cartridge type respirator. Avoid contact with skin, wear protective gloves. Read Material Safety Data Sheet before using.

**SLIP AND FALL PRECAUTIONS:** OSHA and the American Disabilities ACT (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. EZChem recommends the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. EZChem or its sales agents will not be responsible for injury incurred in a slip and fall accident.

## FOR PROFESSIONAL USE ONLY FOR EMERGENCY HELP

24 Hours a Day contact:  
INFOTRAC at 1-800-535-5053

Manufactured In The USA By



*\*Product warranty for one year from date of manufacture*

For more information on EZChem USA and all products manufactured by EZChem please visit our website: [www.ezchemusa.com](http://www.ezchemusa.com)



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## TECHNICAL DATA

### Physical properties:

Mixing Ratio, by Volume	2-1
Solids Content, by Weight	37%
Volatile Organic Compounds	400 grams/liter
Volatile Organic Compounds (California formulation)	38 grams/liter
Pot Life (77°)	1 hour
Cure Time (77°)	
Recoat	90 minutes
Light Traffic	4 hours
Vehicle Traffic	3 days

### Performance properties:

Gloss (60°)	90
Hardness (Konig)	127
Flexibility (ASTM D-222)	passes 1/8 inch
Impact Resistance (ASTM D-2794)	passes 3/8 inch pounds direct impact
Tabor Abrasion (1000 gm. Load, 1000 cycles, CS 17 wheel)	69 mg. loss
Adhesion to Concrete (ASTM 451)	concrete fails before loss of bond

## CHEMICAL AND STAIN RESISTANCE (ASTM D-1308 24 HOUR IMMERSION)

Coffee	No effect	Transmission Fluid	No effect
Vegetable Oil	No effect	Skydrol	No effect
Mustard	No effect	Mineral Spirits	No effect
Whiskey	No effect	10% Sulphuric Acid	No effect
Urine	No effect	10% Hydrochloric Acid	No effect
Gasoline	No effect	10% Acetic Acid	No effect
Motor Oil	No effect	Xylene	Slight softening, film recovers
Brake Fluid	No effect	MEK	Film destroyed

## General Information

**Moisture Vapor Emissions Precautions:** All interior concrete floors not poured over an effective vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions are present before applying any coatings. EZChem can supply moisture remediation products. consult our technical service department. EZChem and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.