

# PolyAll 250

## Technical Data Sheet



*ConDecor Superstore® provides a premier line of specialty decorative concrete materials. ConDecor Superstore® materials are manufactured for the discriminating installer or designer who values beauty and quality. Specializing in custom colors, specialty products, and superior service, ConDecor Superstore® offers an innovative alternative in the decorative concrete industry.*

### Highlights

- Excellent UV Stability
- Indoor and Outdoor use
- Indefinite Recoat Window
- Stain Resistant
- Multi Purpose
- Resists Hot Tire Pickup
- Super Adhesion
- Excellent Clarity
- Final wear surface or primer for polyurethane
- Open to foot traffic in 24 hours
- Open to Vehicular traffic in 72 hours

### Uses

- Decorative Concrete Surfaces
- Retail
- Residential
- Industrial
- Kitchens
- Driveways
- Patios
- Interior
- Exterior

## Description

PolyAll 250 is a two component, low viscosity solvent acrylic urethane sealer. It is used as a primer/sealer over a variety of surfaces. The use of special solvents and adhesion promoters gives this material excellent penetration and adhesion to minimally profiled concrete. PolyAll 250 is UV stable and used for both interior and exterior applications, cures rapidly and is easily recoated with itself or both solvent-based and water-based polyurethanes. When used as a finish coat, this material gives a hard, high gloss surface that offers excellent stain resistance and provides a finish that is easily cleaned.

PolyAll 250 can be used over concrete, including dyed and stained surfaces, as well as various types of architectural concrete. It's performance as a paver sealer is outstanding. It comes highly recommended over acid stained concrete because it is unaffected by pH drifts that can affect the adhesion of other types of primers. It provides color enhancement similar to solvent acrylic sealers. When used as a finish coat in vehicle areas, it resists tire tracking and provides easy soil release. Although abrasion resistance to heavy foot traffic far exceeds single component materials, optimum performance in these areas can be achieved by using PolyChem 300 or WB Urethane 320 topcoats.

## Surface Preparation

Surface preparation is critical for proper adhesion and performance. The surface must be dry, porous, clean, sound and free of grease, oil, curing compounds, dust, mastic and other contaminants or bond breakers.

Determine the substrate Moisture Vapor Emission Rate (MVER) per ASTM F1869 prior to placing PolyAll 250. Acceptable substrates have an MVER less than or equal to 3 lbs/1000 sq ft per 24 hours and relative humidity less than or equal to 70% RH. Do not use if MVER is in excess of 3lbs and/or greater than 70% RH and refer to ConDecor MVT110 for further instructions.

ConDecor Superstore® utilizes the International Concrete Repair Institute's (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying ConDecor PolyAll 250. It is highly recommended to mechanically profile the surface to achieve ICRI Concrete Surface Profile (CSP) 2-3. Upon completion of mechanical preparation, remove all shot, dust, dirt and debris. If acid is used to obtain the surface profile, in lieu of mechanical profiling, the surface must be washed, neutralized and allowed to dry completely for at least 24 hours.

## Packaging

Available in 1.5 gallon kit and 15 gallon kits. The mix ratio is 2 parts A to 1 part B. The 1.5 gallon kit comes prepackaged in this ratio and no parting out is necessary when mixing the full 1.5 gallon kit.

## Shelf Life

ConDecor Superstore® PolyAll 250 has a 1 year shelf life from date of manufacturing when properly stored in a dry, temperature controlled environment.

## Mixing

Organize work area so that all personnel and equipment are in place before mixing. Pour part A into a bucket then add part B and mix for 2 minutes continuing with low speed to avoid air entrapment. Do not mix more than what can be placed within 30 minutes. **DO NOT HAND MIX.** Ensure that the material from the sides and bottom of the bucket have been thoroughly mixed in. Pot life is 30 minutes at 75 degrees. Pot life and work times are shortened by higher temperatures. Pouring material onto the floor in ribbons immediately after mixing will extend the work time.

## Handling Precautions

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product. It is the user's responsibility to review instructions and warnings for any ConDecor Superstore® products.

Avoid contact with the skin and use protective equipment as required. Wear protective gloves, protective clothing, eye protection, face protection and appropriate respirator equipment. Use in well ventilated areas. Dispose of contents and containers in accordance to local, state and federal regulations.

## 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. ConDecor Superstore® 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. ConDecor Superstore® or its sales agents will not be responsible for injury incurred in a slip and fall accident.

## Application and Clean Up

ConDecor Superstore® PolyAll 250 may be applied by roller or airless sprayer. If rolling the material use a 3/8" roller and work out of a bucket or roller pan using the dip and roll method keeping a wet edge. Tools and sprayers may be cleaned with Xylene prior to material hardening. Do not apply under 200 sqft per gallon. 2 coats may be necessary.

## Recoating Guidelines

PolyAll 250 has an indefinite recoat window when being recoated with itself. If recoating with ConDecor PolyChem 330 or ConDecor WB Urethane 320 and more than 24 hours has elapsed (at 75 degrees) degloss the surface with a floor machine and heavy duty black janitor pad.

## Limitations

- Strong Odor
- Do not apply to damp concrete
- Cannot be rolled over acetone dye/stain products
- Do not apply when surface temperatures are below 55°F or above 90°F
- Do not apply when relative humidity is above 70%

## Warranty

ConDecor Superstore® PolyAll 250 is a proprietary product that is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ConDecor Superstore®.

## First Aid

**EYES:** Flush thoroughly with water, lifting both eyelids. Get immediate medical attention

**SKIN:** Wash with soap and water. If irritation develops seek medical attention.

**INGESTION:** Do not induce vomiting. Get immediate medical attention.

**INHALATION:** Remove to fresh air immediately. If breathing difficulty continues, administer oxygen. Get immediate medical attention.

## Technical Data

### Material Properties at 75°F

Mixed VOC Content:	400g/L
Mix Ratio (by volume):	2:1
Solids Content, by weight	38%
Tack Free Time:	2 hours
Light Foot Traffic:	12 hours
Vehicular Traffic:	72 hours
ASTM D-222 Flexibiity:	passes 1/8 inch
ASTM D-451 Adhesion to Concrete	Concrete fails before loss of bond
ASTM D-2794 Impact Resistance	passes 3/8 inch-pounds direct impact
ASTM D 4366 Konig Hardness	127
Tabor Abrasion (1000 gm. Load, 1000 cycles, CS 17 wheel)	69 mg. loss

### CHEMICAL AND STAIN RESISTANCE 9ASTM D-1308 24 HOUR IMMERSION

Coffee	no effect	Transmission Fluid	no effect
Mustard	no effect	Skydrol	no effect
Vegetable Oil	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	no effect
Brake Fluid	no effect	MEK	no effect

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For complete information on all ConDecor Superstore® products, including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact ConDecor Superstore.

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