

## CrownPro™ WP

Product Description Sheet No. 345

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# High Performance Water-Born Urethane Floor Coating for Light and Moderate Duty Commercial and Industrial Use

### Description

**CrownPro WP** is a one-package, aliphatic water-born urethane coating designed for applications where hardness, chemical, abrasion and UV resistance are required. **CrownPro WP** is available in clear and satin finish.

### Recommended Use

- Stained Concrete Surfaces
- Show Room Floors
- Automobile Repair Bays
- Manufacturing Plants
- Garage & Patio Floors
- Slip-Proofing Top Coat for Hard Tile Surfaces
- Top Coat for Other Polymer Surfaces such as Epoxy and Terrazzo
- Clear Top Coat for Crown Colored Quartz, CrownFlake and CrownStone Decorative Floor Overlays

### Advantages

- Easy to Apply – Reduces Labor
- Nearly No Odor
- Low VOC's
- Fast Cure Rate
- Cures Down to 40°F (4°C)
- Hardens to a High Gloss
- Satin Finish Available
- Excellent Resistance to Abrasion and Impact
- Top Coat for Slip-Proofing to comply with OSHA and ADA Standards

### Typical Coverage

**Top Coat:** The substrate surface profile greatly affects the coverage rate and final appearance. Larger aggregate applied heavily to the surface for skid resistance will also reduce coverage rate

### Typical Data for CrownPro WP

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

**COLORS** Clear, Satin \*\*  
**SOLIDS** 33% (by weight)

**VISCOSITY** 400-600 cps

### TABER ABRASION, (ASTM D4060)

1,000 g Load, 1,000 cycles, CS-17 wheel 30 mg Loss

**PENCIL HARDNESS** 3H

**TENSILE STRENGTH** 6,500 psi  
**ELONGATION** 300%

### IMPACT RESISTANCE @ 30°F, in. lbs. (ASTM D2794)

Direct 160 lbs.  
Reverse 160 lbs.

### DRY TIME

**Set to touch** 13 min.  
**Dry to touch** 18 min  
**Through dry** 80 min

### QUV WEATHEROMETER

**Oxidation** None  
**Blistering** None  
**Yellowing** None  
**Loss of Gloss** None

### CHEMICAL RESISTANCE

Acetic Acid, Glacial, 1 hour spot test	Softening, Recovers
Toluene, 24 hours immersion	excellent
Brake Fluid	excellent
Ethanol, 1 hour spot test	excellent
Gasoline, 24 hours immersion	excellent
MEK 200+ Double Rubs	excellent
1 N NaOH, 1 hour spot test	excellent
Oil	excellent
Saltwater	excellent
Skydrol™	excellent

### Wet Coverage / Coat

Max. 5 mils (320 ft<sup>2</sup>/Gal.)

**PACKAGING** 5 Gal/Unit

\*\* Light Gray, Medium Gray, Tan and White – Special Colors Also Available

**SHELF LIFE** 1 year in original unopened containers

# CrownPro WP

## High Performance Water-Born Urethane Floor Coating

### Preconditioning Polymer

When temperatures drop, polymers typically thicken and it becomes harder to flow or to spread the product. When the temperatures are warmer, they typically become thinner. To improve the flow-ability of product during placement, maintain temperatures before mixing at about 20°C (73°F).

### Limitations

Clear coat systems could turn a milky color if the substrate is damp or wet before application or during cure.  
Do not apply below 40°F (4.4°C).  
Do not apply within 5 degrees of dew temperature.  
Vapor Pressure readings should not exceed 3 lbs/ 1,000 ft<sup>2</sup>.  
Treat with CrownCote Vapor Barrier, Product 303 if over limitation.

### Customer Satisfaction

Apply a test area to ensure that the application meets the customer's expectations.

### Application

Apply the product with squeegee and rollers.

### Cure and Open Time Between Coats

Carefully follow the open time between coats to assure proper adhesion between coats and total cure time.

### Single Source Supplier

**Expert technical advice combined with design and style**  
Crown Polymers delivers high performance polymer floor systems, coatings, precast covings, and concrete repair products of quality, economy and durability.  
Our knowledgeable technical sales staff combined with highly skilled factory trained applicators ensure the success of the markets we serve.  
Crown Polymers works closely with the architect, engineer, owner and contractor with strong specifications and field support to obtain quality results.

### Surface Profiles

Surface profiling is nearly unlimited. Smooth surfaces to aggressive anti-slip surface profiles are available. Pre-select the profile that is best suited for your project. Considerations should include clean ability and safety.

### Clean-up

Ventilate area. Control spills. Collect with absorbent material.

### Disposal

Dispose in accordance with current, applicable local, state, and federal regulations.

### CAUTION

**Before Using Read Material Safety Data Sheets.**

### Important Information and First Aid

Use of safety goggles, chemical-resistant gloves, adequate ventilation and NIOSH/OSHA approved respirator is recommended. In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact a physician immediately. Wash clothing before re-use.

### KEEP OUT OF REACH OF CHILDREN

### Creative Custom Designs

Crown Polymers floors are a family of polymer systems that are used singularly or in combinations to enhance the projects appearance and environmental exposures. High performance and decorative do go together... and the results are quality, protection and improvement in life styles.

**LIMITED WARRANTY** - "Crown Polymers, LLC warrants its products to be free of manufacturing defects, to be of good quality, and that They will meet Crown Polymers current published physical properties when applied in accordance with Crown Polymers written directions and tested in accordance with ACI, ASTM and Crown Polymers Standards. Product proved to be defective will be replaced. **There are no other warranties by Crown Polymers, LLC of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product.** Crown Polymers, LLC shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Crown Polymers will not be responsible for use of this product in a manner to infringe on any patent held by others."

**For the Location of Your Nearest Crown Polymers' Representative**



**CALL NATIONWIDE TOLL-FREE 1-888 / 732-1270**

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