

UPC CementSeal WA28

Product Description

UPC CementSeal WA28 is a single-component, premium water-based acrylic sealer. Its chemistry provides a glossy sealed surface that bonds to concrete and cementitious toppings. Its design features enhance color, rejuvenate and protect surfaces. UPC WA28 is the ideal product when low odor and 0 VOC is essential.

ADVANTAGES:

- Zero VOC
- Non-Yellowing
- Interior & Exterior Use
- Color Enhancement
- Fast Drying
- Easy Installation
- Gloss Finish
- Can be Rolled or Sprayed
- Non-slip if Oxide is Added
- Resists Water and Stains

Applications

The uniqueness and universality of its chemistry allows UPC CementSeal WA28 to be used in many applications, including the following:

- New or Old Concrete
- Cementitious Toppings
- Acid Stained Floors
- Stamped Surfaces
- Porous Brick
- Exterior Hardscapes
- Exposed Aggregate
- Masonry Surfaces
- Natural Stone

Colors

UPC CementSeal WA28 is available as a Clear base. UPC WA28 with the addition of a pigmented pack can achieve a variety of colors. Contact UPC Sales Representative for Information.

Packaging

UPC CementSeal WA28 is available in one size:

- 5 Gallon Unit

Physical Characteristics

PROPERTY	VALUE
Type	Thermal Plastic
Color	Translucent
Solids Contents	28% by weight
MFFT	< 10° C
pH	8.0 - 9.0
Flash Point	> 212° F
V.O.C.	0

Product Data

Coverage:	200-300 SF/gal Textured surface
	300-400 SF/gal Smooth surface
Application temperature:	Approx. 55-85°F
Thinning:	Not recommended
Cure time:	4-6 Hours for Foot Traffic
	48 Hours for Vehicle Traffic
	4 Days for Full Properties
Critical recoat time:	Approx. 1-2 hours or when tack-free
Shelf life:	12 months

Concrete Preparation

Before coating is applied, concrete must be:

- Cured – At least 28 days if new
- Dry – No damp or wet areas
- Clean – Contaminants removed

Brand new concrete must cure for at least 28 days prior to applying sealer. For new, untreated concrete, less preparation is required. Contaminants such as: curing agents, glue, waxes, paint, oil, dirt, water repellants, and anything that will prevent sealer adhesion must be removed. Prepare the concrete by sanding, grinding, sand blasting, shot blasting or pressure washing so that the surface will be porous enough to absorb product and bond permanently. If a pressure washer is used, use a fan tip with a minimum pressure of >2,000psi. Be careful not to leave wand patterns in the finished substrate. When applying to newly installed pavers or brick, allow grout joints to dry completely before application. On surfaces expected to have vehicle traffic, it is best to remove previously applied sealers or coatings to base concrete.

Patching

The characteristics of sealed concrete allow for the user to repair cracks and imperfections only if desired. If repair is required, we recommend the use of cementitious, low-shrinking crack and spall filler. Patching must be completed at least 24 hours prior to installation of sealer.

Testing

All surfaces are not the same. It is recommended that a sample area be done before the start of the project. The test should be done on-site, using the proposed method by the assigned applicator to ensure proper adhesion and color. A sample area should also be done on any existing coatings to determine if any contaminants exist or if delaminating will occur. Test slab for alkalinity and efflorescence.

Mixing

1. Shake unopened container before use.
2. One-gallon to five-gallon pump sprayers are recommended for application of UPC WA28.

Application Instructions

After all concrete preparation has been completed and product has been thoroughly mixed, UPC WA28 can be applied. UPC recommends using a pump sprayer, but a 3/4" nap, shed-resistant phenolic-core roller and paint brush can also be used.

1. Be sure to carefully mask surrounding areas to avoid accidental overspray. Optimum ambient temperature should be between 55-85°F.
2. Tape off work areas to protect from foot traffic during application and drying. Mix up to 5 gallons of coating using above mixing instructions.
3. Wear protective gear. Read all safety precautions. Always use in a well-ventilated area. Product cures quickly, so be sure to apply accordingly.
4. **Using a sprayer:** Begin spraying sealer in a circular pattern while walking from left to right, then back, right to left. Work in small, manageable sections. Try working from control joint to control joint if possible. Do not allow sealer to puddle, but keep a wet edge. Note: Avoid stepping in sealer. Spiked shoes may be worn to prevent footprints. Avoid dripping sealer on concrete. Keep a drip rag on hand.
5. **Using a roller and brush:** First cut in around edges with brush. Then roll product on floor quickly and evenly in a "V" pattern in both directions. Roll product as thin as possible.
6. Once the first coat is tack-free, a second coat can be applied evenly over the floor. Heavy traffic areas may require a third coat of sealer.
7. Allow sealer to dry on the surface for at least 4-6 hours before opening area to foot traffic.

Clean-up

UPC WA28 may be cleaned with soap and water. Cured material may require some scrubbing; acetone may be helpful. Always clean sprayer after each use, per manufacturer's recommendations. Disposal of material must comply with all local, state and federal regulations.

Maintenance

Maintain sealed floors by sweeping. When spills occur, clean immediately and rinse dirt from the floor with water. A wet-clean is recommended for heavily-soiled areas, using a damp mop and bio-degradable cleaner or rotary floor machine equipped with a white or red buffing pad and mild commercial detergent. Repeat process until water rinses clean.

Interior sealed concrete floors can be maintained by using wax or acrylic floor finishes. If any of these products are used, please refer to manufacturer's recommended method.

Product Limitations

Ground level concrete slabs emit invisible moisture vapor. The allowable moisture emissions for concrete are 3 lbs. / 1,000 SF over a 24-hour period based on a Calcium Chloride test. Also, a Relative Humidity (RH) test can be performed to test for moisture vapor. RH testing results should be below 85% per ASTM F2170. If moisture is above this level, then blistering and de-lamination of coating may occur. A calcium chloride or Relative Humidity test should be performed to determine concrete moisture levels. If moisture levels exceed the 85% for RH test or 3 lbs. for Calcium Chloride, then a concrete moisture vapor control system should be used first before applying coating system. Recommended system for cases of moisture above acceptable levels is UPC 5200. UPC 5200 Moisture Lock passes F3010 spec based on E96 testing results. Please contact UPC representative for additional details.

Coating systems are susceptible to cracking if the concrete moves or separates below the coating. Hence, joint and crack treatment should be reviewed prior to coating application. As a general rule, control joints (saw cuts) and random cracks should be saw-cut or chased first then filled with UPC 777 Perfect Patch. Construction/cold joints (two slabs which meet and hence move) should be treated. After the coating has been applied and cured, saw cut through the coating over construction joints and apply an elastomeric caulking.

UPC WA28 must be used on concrete that is not susceptible to hydrostatic pressure. The concrete must be placed on a well-drained subgrade. Alkali or hard-water deposits may form on the sealer at edges, cracks, joints, or other areas where water is able to enter the concrete substrate. These deposits can also form underneath the sealer at these areas. Sealer must be applied in thin coats to prevent whitening, peeling, or becoming too slippery in areas where standing water may occur. Damp objects placed on the sealer for long periods of time may leave deposits or cause stains and discoloration in the sealer.

- Always test a small area
- Add Non-slip where necessary (120-grit white Oxide)
- Do not install on damp surface or if rain is expected
- If rain has occurred within 48 hours or is expected in the next 48 hours, do not apply product
- Be sure to shut off sprinklers
- Install between 55-85°F
- Do not fan or force-dry
- Coverage rates may vary

Warranty

Universal Polymer Coatings products are warranted for one year after date of purchase. Please refer to the UPC Limited Material warranty for additional clarification.

Safety

Consult UPC WA28 Safety Data Sheet. Floor can be slippery when wet, and spiked shoes are recommended during application. Use safety goggles, rubber gloves and protective clothing when using this product.