

UPC CementSeal SA24

Product Description

UPC CementSeal is a single-component, premium solvent-based acrylic sealer. Its chemistry provides a “wet” look sealed surface that bonds to concrete and cementitious toppings. Its design features enhance color, rejuvenate and protect surfaces. Advantages:

- VOC Compliant
- Non-Yellowing
- Interior & Exterior Use
- Color Enhancement
- Fast Drying
- Easy Installation
- “Wet” Look
- 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 SA24 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
- Interlocking Panels
- Natural Stone
- Masonry Surfaces

Colors

UPC CementSeal SA24 is available as a Clear base. The following pigment packs are available:

- White
- Brown
- Gold
- Brick Red
- Yellow
- Black
- Tan
- Royal Blue
- Forest Green
- Medium Gray

Packaging

UPC CementSeal SA24 is available in two different sizes:

- 1 Gallon Unit
- 5 Gallon Unit

Physical Characteristics

PROPERTY	VALUE
Type	Thermal Plastic
Solids Contents	24% by weight
60% Gloss(2-4 mil dry film)	88
Flash Point	> 20°F (TCC)
Viscosity	> 1455 cps
Maximum V.O.C.	< 99 grams per liter

Product Data

Coverage:	200-300 SF/gal Textured surface 300-400 SF/gal Smooth surface
Application temperature:	Approx. 55-85°F
Thinning:	Optional, 10% with Acetone
Cure time:	4-6 Hours for Foot Traffic 48 Hours for Vehicle Traffic 5 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

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 acetone resistant pump sprayers are recommended for application of UPC SA24.
3. Thinning UPC SA24 with up to 10% Acetone will increase coverage rates and provide longer working time.

Application Instructions

After all concrete preparation has been completed and product has been thoroughly mixed, UPC SA24 can be applied. UPC recommends using an acetone-rated 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
2. Tape off work areas to protect from foot traffic during application and drying. Mix 5 gallons of coating using above mixing instructions.
3. Wear protective gear. Read all safety precautions. Always use in a well-ventilated area away from sources of ignition.
4. Product cures quickly, so be sure to apply accordingly.
5. **Using an acetone-rated 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.
6. **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.
7. 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.
8. Allow sealer to dry on the surface for at least 4-6 hours before opening area to foot traffic.

Clean-up

UPC SA24 may be cleaned with solvent. Cured material may require some scrubbing. 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 biodegradable 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 5 lbs / 1,000 SF over a 24 hour period. If moisture is above this level, then blistering and delamination of coating may occur. A calcium chloride test should be performed to determine concrete moisture level. If moisture levels exceed the 5 lb. limit, a concrete moisture vapor control system should be used first before applying coating system. Please contact the UPC technical department for approved systems. Relative Humidity results should be below 85% per ASTM F2170.

UPC SA24 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 No-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

Environment	CHEMICAL RESISTANCE	
	Immersion	Splash or Spill
Acid	NR	R
Alkali	LR	R
Cola	R	R
Motor Oil	R	R
Solvent	NR	LR
Salts	R	R
Water	R	R

NR=Not Recommended, LR=Limited Recommendation, R=Recommended

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 SA24 material safety data sheet. Product contains solvent and is flammable. Remember to shut off sources of ignition before beginning work. 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. Perform work in a well-ventilated area, and use an OSHA/NIOSH approved respirator if necessary. Protective gloves and clothing are recommended.