



CRYSTAL CLEAR VOC

100% ACRYLIC LOW-VOC CONCRETE CURE & SEAL

DESCRIPTION

CRYSTAL CLEAR VOC is a pure acrylic curing compound and cure & seal that protects and enhances the appearance of concrete with a clear, non-yellowing film that is more durable than standard polymer blend cure and seal products. CRYSTAL CLEAR VOC is formulated in an exempt solvent carrier formulated for use in VOC-regulated areas. CRYSTAL CLEAR VOC will enhance the color of stamped concrete, exposed aggregate, and colored concrete pavers, making these surfaces look deeper and richer in appearance. It provides protection against the damaging effects of traffic, weather, and de-icing salts while allowing the concrete to “breathe”. Applied properly, CRYSTAL CLEAR VOC will not turn white in the presence of moisture. CRYSTAL CLEAR VOC can be tinted with Increte, or Euclid Universal Color Packs, which are available in 33 standard colors.

PRIMARY APPLICATIONS

- Stamped, colored concrete
- Terrazzo
- Driveways and sidewalks
- Curing and sealing freshly placed concrete
- Concrete pavers
- Decorative concrete overlays

FEATURES/BENEFITS

- Ensures proper curing of new concrete
- Acrylic polymer formula ensures no yellowing and a more breathable seal
- Enhances the appearance of colored concrete, can be tinted
- Slower drying than products based on acetone or tertiary-butyl acetate exempt solvents

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions of 73°F (23°C), 50% RH:

Dry to touch	20 minutes	Recoat	2 to 24 hours
Foot traffic	1 hour	Wheel traffic	10 to 12 hours
VOC content	335 g/L	Flash point (tag closed cup).....	63 °F (17 °C)
Adhesion to concrete	excellent	Alkali resistance 48 hour exposure.....	excellent
Resistance to yellowing from UV exposure ...excellent		Solvent resistance	minimal
Solids content ~ 25%		Moisture loss (ASTM C 156).....	< 0.40 kg/m ²

**Low concrete or air temperature and/or high relative humidity will extend drying time.*

PACKAGING

CRYSTAL CLEAR VOC is available in 1 gal (3.8 L), 5 gal (18.9 L) and 55 gal (208.2 L) units

SHELF LIFE

3 Years in original, unopened container.

SPECIFICATIONS/COMPLIANCES

- USDA compliant
- ASTM C 1315, Type 1, Class A
- ASTM C 309, Type 1, Class A & B
- Complies with federal AIM rule VOC regulations, and with VOC standards in the OTC and LADCO states

COVERAGE

First Coat: 300 ft²/gal (7.4 m²/L) **Second Coat:** 400 ft²/gal (9.8 m²/L)

Coverage will vary from the above rates depending on surface porosity, application method and texture of surface. NOTE: Thick applications or build-up of multiple coats will lead to discoloration, whitening, bubbling, and poor product performance. A test area is highly recommended to determine suitability.

DIRECTIONS FOR USE

Preparation Existing Concrete: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Remove any loose material and any coatings such as paint, curing agents, and sealers. Degrease surface with Increte Systems GREASE-AWAY degreaser using 4-8 fl. Oz. of degreaser to one gallon of water then rinse. Mechanically abrade the surface to achieve a surface profile equal to CSP 1-2 in accordance with ICRI Guideline 310.2. Properly clean profiled area. **Stamped Concrete:** Surface must be free of all un-bonded release agent powder or liquid release prior to application of sealer.

Application: Apply at a uniform coverage rate with an industrial, hand-held, pump-up sprayer equipped with a 0.5 gal/min (1.9 L/min) tip and neoprene fittings. Common garden-type sprayers should not be used. CRYSTAL CLEAR VOC dries quickly. While spraying, keep the sprayer tip within 8 in (20 cm) of the concrete surface. Back-roll over spray-applied sections using a short, 1/4 in (0.65 cm) nap, solvent-resistant roller cover. It is helpful to keep the roller wet with CRYSTAL CLEAR VOC or SOLV-KLEEN while rolling. If applying CRYSTAL CLEAR VOC by roller only, use a 1/4 in (0.64 cm) nap, solvent-resistant roller cover. Keep the roller wet and keep a wet edge while applying to avoid lap marks. Rolling back and forth excessively will cause bubbling. In all cases, allow the first coat dry tack-free before applying the second coat. Best performance and appearance is achieved with two THIN coats following the coverage recommendations.

To create a non-slip surface, add SHUR GRIP to the final coat of sealer. MATTE ADD may be used if a satin or low-gloss finish is preferred.

CLEAN-UP

Use SOLV-KLEEN, xylene, or acetone for cleaning tools immediately after use (always follow package directions and warning labels). Clean drips or over spray with one of the above solvents while still wet. Run clean solvent trough spray equipment to remove residual material and prevent clogging in future use.

REMOVAL

Dried, cured CRYSTAL CLEAR VOC may be removed with a strong solvent such as SOLV-KLEEN, xylene, or MEK (always follow package directions and warning labels). UNI-STRIP is a citrus-based stripper that can be used to remove this product. Alternatively, mechanical means can be used to remove this product.

PRECAUTIONS/LIMITATIONS

- CRYSTAL CLEAR VOC liquid and vapors are highly flammable. Keep away from heat/sparks/open flames/hot surfaces.
- Avoid breathing fume/gas/mist/vapors/spray. No smoking.
- Heavy applications, too many successive coats, or multiple coats over time may cause bubbling, whitening, peeling and ultimate failure of the product.
- Do not apply when concrete surfaces or ambient temperatures are below 40 °F (4 °C). Do not apply in hot, direct sun or when the temperature is above 85 °F (29 °C).
- Do not apply if rain is expected within 12 hours of application.
- Not resistant to gasoline or other automotive fluids.
- Do not thin this product.
- For professional use only.
- In all cases, consult the Safety Data Sheet before use.

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