

CURING AND SEALING

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EUCLID CHEMICAL

DIAMOND CLEAR VOX

WATER-BASED, NON-YELLOWING CURE & SEAL
FOR CONCRETE

PACKAGING

55 gal (208 L) drums

Code: 359VV-55

5 gal (18.9 L) pails

Code: 359VV-05

1 gal (3.8 L) jugs (6 jugs per case)

Code: 359VV-95

CLEAN UP

Warm, soapy water

(see "Clean-Up and Removal")

SHELF LIFE

2 years when stored properly

SPECIFICATIONS/ COMPLIANCES

- VOC Content: 53 g/L
- ASTM C309, Type 1, Classes A & B
- AASHTO Specification M 148, Type 1, Classes A & B

DESCRIPTION

DIAMOND CLEAR VOX is a VOC compliant, water-based acrylic curing and sealing compound. This product provides a quality cure to freshly placed interior or exterior concrete while assuring total resistance to yellowing from ultraviolet exposure. DIAMOND CLEAR VOX promotes proper hydration of cement in new concrete by preventing rapid loss of moisture. Used as a sealer, DIAMOND CLEAR VOX helps concrete repel water and gives surfaces a semi-gloss appearance.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Very low odor
- Non-yellowing formula
- Perfect for interior or exterior projects
- Monolithic membrane for great curing properties

PRIMARY APPLICATIONS

- Curing and sealing new concrete where a non-yellowing, semi-gloss finish is desired
- Commercial buildings

COMMON METHODS

- Industrial pump-up sprayer with high solids-nozzle
- Short-nap roller

APPEARANCE

DIAMOND CLEAR VOX is a milky white liquid in the container. After application and drying, DIAMOND CLEAR VOX will slightly darken concrete, and will have a medium-gloss finish. A small test area is strongly recommended to confirm appearance prior to beginning full application.

APPLICATION PROPERTIES

These properties are based on laboratory conditions at 70 °F. Expect variation based on jobsite conditions.

Solids content:	14%
Dry to touch:	1 hour
Recoat:	2 to 4 hours
Foot Traffic:	4 to 6 hours
Wheel Traffic:	6 to 10 hours
Moisture Loss (ASTM C156):	< 0.55 kg/m ²

COVERAGE

New Concrete

1st Coat:	200 to 300 ft ² /gal (4.9 to 7.4 m ² /L)
2nd Coat:	300 to 400 ft ² /gal (7.4 to 9.8 m ² /L)

Existing Concrete & Re-Sealing

1st Coat:	300 to 400 ft ² /gal (7.4 to 9.8 m ² /L)
2nd Coat:	350 to 450 ft ² /gal (8.6 to 11.0 m ² /L)

*Coverage rates are approximations. Actual coverage will vary based on temperature, texture, and substrate porosity.

DIRECTIONS FOR USE

Surface Preparation: For existing concrete, the surface must be clean of any and all surface contaminants, and free of standing water. If applying DIAMOND CLEAR VOX to previously sealed concrete, call Euclid Chemical to check compatibility. If the chemical makeup of the previous sealer is unknown, a small test section is strongly recommended to check compatibility between DIAMOND CLEAR VOX and the old sealer. When applying DIAMOND CLEAR VOX to freshly poured concrete as a cure & seal, the surface bleed water must be allowed to evaporate prior to applying DIAMOND CLEAR VOX, and the surface must be hard enough as to not be marred during product application.

Mixing: DIAMOND CLEAR VOX requires no pre-blending prior to use. Euclid Chemical water-based cure & seals, like DIAMOND CLEAR VOX, are not compatible with Euclid Universal Color Packs or Euco Grip. If use of color or slip-resistant additive is desired, consider using a Euclid Chemical solvent-based cure & seal instead.

Application: Apply at the recommended coverage rate using an industrial pump-up sprayer with a high-solids nozzle and a short-nap roller. Apply sealer uniformly to the concrete using sprayer, then lightly backroll the sealer to ensure even coverage. Maintain a "wet edge" while spraying, and backroll over sprayer lap marks for best appearance. DIAMOND CLEAR VOX may be applied by roller alone, but extra care must be taken to ensure that the sealer is applied uniformly, and at the proper coverage rate. Re-distribute any puddles or runs before DIAMOND CLEAR VOX dries. Protect freshly coated surfaces from rain or heavy fog for a minimum of 24 hours after application.

Application of DIAMOND CLEAR VOX too heavily, in too many successive coats, or in multiple coats from re-sealing too frequently can cause failure to dry completely, bubbling, whitening, peeling, flaking, and ultimately, failure of the product. To prevent over-application, it is good practice to measure the area to be sealed and then measure the corresponding volume of product required based on the coverage rate. In addition, applying DIAMOND CLEAR VOX in hot weather/direct sunlight or onto a hot surface can cause bubbling.

For additional guidance in applying Euclid Chemical curing and sealing compounds, visit our website to see an instructional video on the procedure.

CLEAN-UP AND REMOVAL

Tools and equipment may be cleaned with warm, soapy water immediately following use. Clean drips and overspray with warm, soapy water while still wet. Run warm, soapy water through spray equipment to remove residual materials and prevent clogging of nozzle in future use. If not cleaned immediately, the sealer may leave an unwanted residue on painted surfaces, glass, or wood.

Hardened/dried DIAMOND CLEAR VOX may be removed with a strong solvent such as xylene/xylol or MEK (always follow package directions and warning labels). EUCCO CLEAN & STRIP is a citrus-based stripper that may also be used to remove this product. Alternatively, the product can be removed by sand blasting or other mechanical means.

PRECAUTIONS/LIMITATIONS

- Store DIAMOND CLEAR VOX indoors, protected from moisture, at temperatures between 50 °F and 90 °F (10 °C and 32 °C)
- Surface and ambient temperature during coating applications should be between 45 °F and 95 °F (7 °C and 35 °C)
- Material temperatures should be at least 50 °F (10 °C) and rising
- Do not apply DIAMOND CLEAR VOX to frost-filled or frozen substrates
- Do not apply DIAMOND CLEAR VOX in hot direct sunlight
- Do not apply DIAMOND CLEAR VOX over bleed water or free-standing water
- Do not apply DIAMOND CLEAR VOX if rain or heavy fog is expected within 24 hours of application
- Do not thin DIAMOND CLEAR VOX
- DIAMOND CLEAR VOX is not resistant to gasoline or other automotive fluids
- Salt water environments, including salt water pool decks, are harsh on sealers. Please contact your Euclid Chemical sales representative for recommendations.
- Do not apply adhesive tape to sealed surfaces as delamination may occur.
- DIAMOND CLEAR VOX will enhance color and darken substrates
- Excessive build up of DIAMOND CLEAR VOX or puddling of the product during application can lead to failure to dry completely, bubbling, whitening, peeling and/or flaking of the sealer, and discoloration of the concrete
- Applying thicker than recommended, applying in cool/cold weather, prolonged exposure to moisture (high humidity, rain), or lack of air flow may result in the sealer remaining soft/wet/tacky for longer than the times found on this data sheet
- When floor covering adhesives will be used following DIAMOND CLEAR VOX application, a test area is recommended to ensure compatibility of the adhesive with DIAMOND CLEAR VOX
- Application of a test area is strongly recommended to confirm final appearance and texture of the product with the end user
- In all cases, consult the product Safety Data Sheet before use

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