

CURING AND SEALING

Master Format #: 03 39 23



EUCLID CHEMICAL

SUPER DIAMOND CLEAR VOX

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

PACKAGING

55 gal (208 L) drums

Code: 359ZZ-55

5 gal (18.9 L) pails

Code: 359ZZ-05

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

Code: 359ZZ-95

CLEAN UP

Warm, soapy water

(see "Clean-Up and Removal")

SHELF LIFE

2 years when stored properly

SPECIFICATIONS/COMPLIANCES

- VOC Content: 51 g/L
- ASTM C1315, Type 1, Class A
- ASTM C309, Type 1, Classes A & B
- AASHTO Specification M148, Type 1, Classes A&B
- CDPH Standard Method v1.2, 2017
- USGBC LEED Version 4, BD&C, ID&C
- The WELL Building Standard
- ANSI/GBI 01, Green Building Assessment Protocol
- Canadian MTQ

DESCRIPTION

SUPER 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. SUPER DIAMOND CLEAR VOX helps control hydration of cement by preventing rapid loss of moisture through the surface of newly placed concrete. SUPER DIAMOND CLEAR VOX can also be used on existing concrete, giving surfaces a glossy appearance and a protective seal.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Very low odor
- Excellent cure and durable seal
- Non-yellowing formula
- Perfect for interior or exterior projects
- Subsequent flooring can be applied directly over product (see Precautions/Limitations section)

PRIMARY APPLICATIONS

- Curing and sealing concrete where a non-yellowing, glossy finish is desired

COMMON METHODS

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

APPEARANCE

SUPER DIAMOND CLEAR VOX is a milky white liquid in the container. After application and drying, SUPER DIAMOND CLEAR VOX will slightly darken concrete, and will have a medium to high-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:	25%
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):	< 0.40 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:	400 to 500 ft ² /gal (9.8 to 12.3 m ² /L)

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

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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 SUPER 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 SUPER DIAMOND CLEAR VOX and the old sealer. When applying SUPER DIAMOND CLEAR VOX to freshly poured concrete as a cure & seal, the surface bleed water must be allowed to evaporate prior to applying SUPER DIAMOND CLEAR VOX, and the surface must be hard enough as to not be marred during product application.

Mixing: SUPER DIAMOND CLEAR VOX requires no pre-blending prior to use. Euclid Chemical water-based cure & seals, like SUPER 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. SUPER 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 SUPER DIAMOND CLEAR VOX dries. Protect freshly coated surfaces from rain or heavy fog for a minimum of 24 hours after application.

Application of SUPER 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 SUPER 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 SUPER DIAMOND CLEAR VOX may be removed with a strong solvent such as xylene/xylol or MEK (always follow package directions and warning labels). EUCO 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 SUPER 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 SUPER DIAMOND CLEAR VOX to frost-filled or frozen substrates
- Do not apply SUPER DIAMOND CLEAR VOX in hot direct sunlight
- Do not apply SUPER DIAMOND CLEAR VOX over bleed water or free-standing water
- Do not apply SUPER DIAMOND CLEAR VOX if rain or heavy fog is expected within 24 hours of application
- Do not thin SUPER DIAMOND CLEAR VOX
- SUPER 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.
- SUPER DIAMOND CLEAR VOX will enhance color and darken substrates
- Excessive build up of SUPER 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 SUPER DIAMOND CLEAR VOX application, a test area is recommended to ensure compatibility of the adhesive with SUPER 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

Rev. 11.25

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.