



EUCLID CHEMICAL

SUPER DIAMOND CLEAR VOX

Water-Based, High-solids, Non-yellowing Cure & Seal
for Concrete

Curing and Sealing

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.

Primary Applications

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

Features/Benefits

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

Technical Information

The following information was obtained under laboratory conditions (73°F (24°C), 50% relative humidity)

Drying Time	1 hour	VOC Content	88 g/L
Recoat	2 to 4 hours	Solids Content (by weight)	25%
Foot Traffic	4 to 6 hours	Moisture Loss ASTM C156	< 0.40 kg/m ²
Wheel Traffic	6 to 10 hours		

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.

*Lower concrete temperatures, lower ambient temperatures, higher relative humidity, or a combination of the above will extend drying times.

Packaging

SUPER DIAMOND CLEAR VOX is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails, and in cases of 1 gal (3.8 L) jugs (6 jugs per case).

Shelf Life

1 year in original, unopened container

Specifications/Compliances

ASTM C1315, Type 1, Class A
ASTM C309, Type 1, Classes A & B

AASHTO Specification M 148, Type 1, Classes A & B
USDA compliant

Coverage

Application ft ² /gal (m ² /L)	First Coat	Second Coat (Optional)
Curing & Sealing Fresh Concrete	200 to 300 (4.9 to 7.4)	300 to 400 (7.4 to 9.8)
Sealing or Re-sealing Existing/Cured Concrete	300 to 400 (7.4 to 9.8)	400 to 500 (9.8 to 12.3)

NOTE: Coverage rates are approximate. Actual coverage depends on temperature, texture, and substrate porosity. **Avoid excessive build-up of sealer, as this may cause discoloration and/or poor product performance.**

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

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.

Removal

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
- 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

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