



# THE EUCLID CHEMICAL COMPANY

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## DIAMOND CLEAR VOX



### NON-YELLOWING CURE AND SEAL

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**DIAMOND CLEAR VOX** is an acrylic, emulsion blend curing and sealing compound for freshly placed concrete. This product provides a quality cure and seal while assuring total resistance to yellowing from ultraviolet exposure. **DIAMOND CLEAR VOX** is particularly suited for decorative and architectural concrete.

#### PRIMARY APPLICATIONS

- Interior and exterior concrete surfaces
- Driveways
- Walls and columns
- Industrial floors
- Decorative concrete
- Exposed aggregate surfaces
- Basements
- Terrazzo floors
- Enclosed areas
- Concrete pavers

#### FEATURES/BENEFITS

- Gives a reduced odor alternative to total solvent based systems
- Provides a clear, non-yellowing membrane for new or existing concrete
- Excellent sealer for concrete pavers
- Seals all concrete surfaces providing a glossy appearance and easier clean-up
- Hardens new concrete by promoting a proper cure for increased abrasion resistance
- Dustproofs concrete with a tough durable resin
- Good blush resistance in damp areas

#### SPECIFICATIONS/COMPLIANCES

- ASTM C-309, Type 1, Class B
- AASHTO M-148, Type 1
- Acceptable for U.S.D.A. approval
- This product meets all air quality standards for California, New Jersey and locales with similar clean air restrictions
- This product meets V.O.C. contents in accordance to EPA 40 CFR Part 59 Table 1 Subpart D for Concrete Curing Compounds with a maximum V.O.C. content of 350 g/l

#### TECHNICAL INFORMATION

##### **Typical Engineering Data**

The following results were developed under laboratory conditions.

**Drying Time\* at 73°F, 50% RH:**..... < 1 hour

**Recoat:** ..... 2-24 hours

**Foot Traffic:** ..... 4-6 hours

**Wheel Traffic:** ..... 6-10 hours

**VOC Content:** ..... 325 g/l

##### **Adhesion to concrete**

ASTM D-4541: ..... excellent

##### **Weatherometer testing ASTM G-53 @ 500 hours**

ultraviolet resistance: ..... no yellowing

chalk resistance: ..... no chalking

check/peel resistance: ..... no deterioration

**Alkali Resistance:** ..... excellent

**Solvent Resistance:** ..... minimal

**Shelf life:** 1 year in original, unopened container.

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

##### **Appearance**

**DIAMOND CLEAR VOX** is a white, opaque liquid. After application and drying, the film is clear with a glossy appearance.

##### **PACKAGING**

**DIAMOND CLEAR VOX** is packaged in 55 gal (208 liter) drums, 5 gal (18.9 liter) pails and 6/1 gal (3.8 liter) units per case.

## COVERAGE

<u>Coverage Rates*</u> <u>Purpose</u> <u>of Application</u>	<u>ft<sup>2</sup>/gallon (m<sup>2</sup>/liter)</u>	
	<u>First Coat</u>	<u>Optional</u> <u>Second Coat</u>
Curing and Sealing New Concrete	250-300 (6.1-7.4)	300-400 (7.4-9.8)
Sealing and Dustproofing Old Concrete	300-350 (7.4-8.6)	350-450 (8.6-11.0)

\*Coverage rates assume hard troweled floors. Coverage will vary from the above rates depending on surface porosity and texture. **AVOID EXCESSIVE BUILD-UP. THICKER APPLICATIONS MAY LEAD TO DISCOLORATION AND IMPROPER SEALER PERFORMANCE.**

## DIRECTIONS FOR USE

**Surface Preparation**-The concrete surface must be clean and free of standing water. Remove any foreign sealer or other material that may prevent adhesion of the DIAMOND CLEAR VOX.

**Mixing**-Agitate before using. Material may separate during long term storage. Mild agitation is recommended before usage.

**Application**-Apply at a uniform coverage by spray or roller application. Product may be sprayed with a hand held "pump-up" sprayer or with an airless industrial sprayer. If roller applied, use a short napped sleeve.

**Curing**-For the best cure of freshly placed concrete, apply DIAMOND CLEAR VOX as soon as possible after the disappearance of the "sheen" of surface moisture.

**Sealing**-When sealing old concrete, remove contaminants and stains such as waxes, grease and oil with strong soaps or caustics rather than acids. Badly worn or porous areas may need a second application to attain a uniform seal and surface gloss.

## SEALER REMOVAL

Dried, cured sealer may be removed with strong solvents such as xylene, MEK or toluene. Also acceptable are commercial paint strippers (always heed directions and warning labels).

Alternatively, the sealer can be removed by sandblasting or by other similar mechanical action.

## CLEAN-UP

Clean tools and equipment with warm, soapy water before sealer dries.

## PRECAUTIONS/LIMITATIONS

- Some applications of this product may require proper ventilation and/or proper safety equipment. Consult MSDS under Special Protection Information for these requirements.
- Block all HVAC ventilation ducts which may distribute solvent odor.
- Product quality is reduced if allowed to freeze. Store between 40-50°F (4-10°C).
- For best application results product temperature should be between 50-100°F (10-38°C) with ambient and surface temperatures between 40-110°F (10-40°C).
- Do not apply over concrete to receive toppings, epoxy coatings or urethane coatings.
- Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended. Complete membrane removal or the use of KUREZ DR VOX or EUCOSIL is recommended in areas to receive movable carpet squares.
- Do not use as a bond breaker for tilt-up construction.
- Do not subject to rain or water until DIAMOND CLEAR VOX dries hard (i.e. 4 hours or longer).
- For low odor job requirements, use AQUA-CURE VOX.
- For strict compliance with AIM Rule Regulations prescribed by The 1990 Clean Air Act, thinning of this product is not allowed.



Form Diamond Clear VOX-3.01

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