



# THE EUCLID CHEMICAL COMPANY

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## SUPER DIAMOND CLEAR VOX



High Solids, Non-Yellowing  
Cure and Seal

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**SUPER DIAMOND CLEAR VOX** is a high solids acrylic, emulsion blend liquid membrane forming, 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.

### PRIMARY APPLICATIONS

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

### FEATURES/BENEFITS

- Gives a reduced odor alternative to solvent based systems where fumes are objectionable
- Provides a totally clear membrane for new or existing concrete that will not yellow (see precautions/limitations)
- 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 film
- Helps minimize spalling of exterior concrete
- Good blush resistance in damp areas

### SPECIFICATIONS/COMPLIANCES

- ASTM C-309, Type 1, Class B
- ASTM C-1315 Type 1, Class A
- 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 products meets V.O.C. contents in accordance to EPA 40 CFR Part 59 Table 1 Subpart D for Concrete Curing and Sealing Compounds with a maximum V.O.C. content of 700 g/l

### TECHNICAL INFORMATION

#### Typical Engineering Data

The following results were developed under laboratory conditions.

- Drying Time\* at 73°F, 50% RH:** ..... 1-2 hours
- 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, tested at 1000 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 times.

#### Appearance

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

Heavy applications and/or prolonged exposure to moisture will cause the cured film to have a milky appearance. Drying will allow the sealer to become clear again.

#### PACKAGING

SUPER 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

Coverage Rates* Purpose of Application	ft <sup>2</sup> /gallon (m <sup>2</sup> /liter)	
	First Coat	Optional Second Coat
Textured Concrete	300-400 (7.4-9.8)	400-500 (9.8-12.2)
Smooth/Troweled Concrete	350-450 (8.6-11.0)	450-550 (11.0-13.5)

\* 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 SUPER 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 rate by spray or roller application. Product must be sprayed using airless type industrial sprayer. A hand held "pump-up" sprayer will not give sufficient pressure for proper application. If roller applied, use a short napped sleeve.

**Curing**-For the best cure of freshly placed concrete, apply SUPER DIAMOND CLEAR VOX as soon as possible after finishing operations, and/or immediately 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 surfaces may require a second coat for a uniform appearance.

## 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

- Block all HVAC ventilation ducts which may distribute solvent odor.
- Spray application of SUPER DIAMOND CLEAR VOX formula must be done with a high pressure or airless industrial sprayer.
- Do not apply over concrete that may receive concrete toppings, epoxy coatings, or urethane coatings.
- Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended for questionable adhesives. 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 SUPER DIAMOND CLEAR VOX dries hard [ @ 70°F (21°C)].
- For low odor job requirements, use SUPER AQUA-CURE VOX.
- Product is unusable if allowed to freeze. Store between 50-120°F (10-50°C).
- For best application results, product temperature should be between 50-100°F (10-38°C) with ambient surface temperatures between 45-110°F (7-45°C).
- For strict compliance with AIM Rule Regulations prescribed by The 1990 Clean Air Act, thinning of this product is not allowed.



Form Super Diamond Clear VOX-3.01

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