



# THE EUCLID CHEMICAL COMPANY

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## AQUA-CURE VOX

LOW ODOR ACRYLIC CURE AND SEAL

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**AQUA-CURE VOX** is a water based, low odor membrane forming liquid for curing, sealing, dustproofing and hardening concrete. AQUA-CURE VOX is suitable for use over new and old concrete and performs well on both interior and exterior concrete.

### PRIMARY APPLICATIONS

- Hospitals
- Exterior concrete
- Walls
- Industrial floors
- Basements & footings
- Interior & exterior concrete surfaces
- Pavements

### FEATURES/BENEFITS

- Forms an efficient moisture barrier for optimum curing of concrete
- Seals concrete surfaces to protect against the effects of weathering
- Hardens concrete surfaces by promoting proper cement hydration
- Helps eliminate dusting through good strength development
- Dries to a clear transparent film that resists yellowing under exterior or ultraviolet exposure (see precautions/limitations)
- Gives an alternative to solvent based materials where fumes may be objectionable, undesirable, or non-compliant

### SPECIFICATIONS/COMPLIANCES

- ASTM C-309 when tested in accordance with ASTM C-156, Class A & B
- AASHTO M-148, Type 1, Class B
- This product meets all air quality standards for California, New Jersey and locales with similar clean air restrictions
- Acceptable for U.S.D.A. approval
- 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 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 Time\*\*:** ..... 2-4 hours  
**Foot Traffic:** ..... 4-6 hours  
**Wheel Traffic:** ..... 6-10 hours  
**VOC Content:** ..... 229 g/l

#### Adhesion to Concrete

ASTMD-4541: ..... excellent

#### Weatherometer testing

ASTM G-53, @ 500 hours

ultraviolet resistance: ..... good

chalk resistance: ..... no chalking

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

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

\*\*If a second coat will be applied, application must be within 4 hours to ensure proper intercoat adhesion.

Note: Prolonged exposure to moisture or water may result in a temporary opaque condition which clears upon drying. This is particularly true on textured surfaces or with excessively heavy applications.

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

#### Appearance

AQUA-CURE 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

AQUA-CURE 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**

<b>Coverage Rates*</b> <b>Purpose of Application</b>	<b>ft<sup>2</sup>/gallon (m<sup>2</sup>/liter)</b>	
	<b>First Coat</b>	<b>Optional Second Coat</b>

Curing and Sealing New Concrete	200-300 (4.9-7.4)	300-400 (7.4-9.8)
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Sealing and Dustproofing Old Concrete	250-350 (6.1-8.6)	350-450 (8.6-11.0)
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\*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 sealer or other material that may prevent adhesion of the AQUA-CURE VOX.

**Mixing** - AQUA-CURE VOX requires no preblending and should be used directly from the container.

**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 AQUA-CURE 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. Apply AQUA-CURE VOX at recommended coverage rates. If a second coat is desired, apply within 2-4 hours of the previous coat.

## **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 the sealer has dried.

## **PRECAUTIONS/LIMITATIONS**

- Product may blush and turn a white milky color in damp conditions. Do not use in areas that are continually moist and where appearance is important.
- Do not use over brick or brick pavers.
- 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 and surface temperatures between 45-110°F (7-45°C).
- 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 concrete to rain or water until AQUA-CURE VOX dries hard (i.e. 4 hours or longer).
- For strict compliance with AIM Rule Regulations prescribed by The 1990 Clean Air Act, thinning of this product is not allowed.



Form Aqua-Cure VOX-3.01

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