



EUCLID CHEMICAL

AQUA-CURE VOX

WATER-BASED, LOW ODOR CURE & SEAL FOR CONCRETE

CURING AND SEALING

AQUA-CURE VOX

MASTER FORMAT #:
03 39 23

DESCRIPTION

AQUA-CURE VOX is a water-based acrylic polymer curing and sealing compound. AQUA-CURE VOX is suitable for use over new and old concrete and performs well on both interior and exterior surfaces. It enables fresh concrete to maintain adequate moisture, seals the surface, and provides an attractive sheen.

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
- Increases durability by promoting proper cement hydration
- Helps prevent dusting of new concrete
- Dries to a clear transparent film that resists yellowing under exterior or ultraviolet exposure
- Gives an alternative to solvent-based materials where fumes may be objectionable, undesirable, or non-compliant
- ♣ Can contribute to LEED points

TECHNICAL INFORMATION

Typical Engineering Data

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

DRYING TIME	1 to 2 hours	VOC CONTENT	183 g/L
RECOAT	2 to 4 hours	SOLIDS CONTENT (BY WEIGHT)	16%
FOOT TRAFFIC	4 to 6 hours	MOISTURE LOSS ASTM C156	< 0.55 kg/m ²
WHEEL TRAFFIC	6 to 10 hours		

Appearance: AQUA-CURE VOX is a milky white liquid in the container. After application and drying, AQUA-CURE VOX will slightly darken concrete, and will have a low-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

AQUA-CURE 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

2 years in original, unopened container

SPECIFICATIONS/COMPLIANCES

ASTM C309, Type 1, Classes A & B

Canadian Food Inspection Agency compliant

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

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	250 to 350 (6.1 to 8.6)	350 to 450 (8.6 to 11.0)

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

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

Application of AQUA-CURE 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 AQUA-CURE 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 AQUA-CURE VOX may be removed with a strong solvent such as xylene/xylof or MEK (always follow package directions and warning labels). EUACO 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 AQUA-CURE 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 AQUA-CURE VOX to frost-filled or frozen substrates
- Do not apply AQUA-CURE VOX in hot direct sunlight
- Do not apply AQUA-CURE VOX over bleed water or free-standing water
- Do not apply AQUA-CURE VOX if rain or heavy fog is expected within 24 hours of application
- Do not thin AQUA-CURE VOX
- AQUA-CURE VOX is not resistant to gasoline or other automotive fluids
- AQUA-CURE VOX will enhance color and darken substrates
- Excessive build up of AQUA-CURE 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 AQUA-CURE VOX application, a test area is recommended to ensure compatibility of the adhesive with AQUA-CURE 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. 01.19

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.