

AQUA-CURE VOX

LOW ODOR WATER BASED CURE AND SEAL

DESCRIPTION

AQUA-CURE VOX is an acrylic polymer blend membrane forming 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. AQUA-CURE VOX resists "blushing" due to moisture and gives an attractive sheen to 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
- 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 results were developed under laboratory conditions.

Drying time* @ 73°F, 50% RH	1 to 2 hours
Recoat time**	2 to 4 hours
Foot traffic	4 to 6 hours
Wheel traffic:	6 to 10 hours
VOC content	< 200 g/L
Adhesion to concrete	
ASTM D 4541	excellent

Weatherometer testing

ASTM G 53, @ 500 hours	
Ultraviolet resistance	good
Chalk resistance	no chalking
Check/peel resistance	no deterioration
Solids content	16%
Moisture loss (ASTM C 156)	< 0.55 kg/m ²

* *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.*

Heavy applications, application in cool or cold weather, or prolonged exposure to moisture may cause the cured film to have a milky appearance. Drying will allow the product to become clear again.

Appearance

AQUA-CURE VOX is a white, opaque liquid. After application and drying, the film is clear with a slight glossy appearance.

PACKAGING

AQUA-CURE VOX is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and 6/1 gal (3.8 L) units per case.

SHELF LIFE

1 year in original, unopened container.



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SPECIFICATIONS/COMPLIANCES

- ASTM C 309, Type 1, Class A & B
- AASHTO M 148, Type 1, Class A & B
- USDA compliant

COVERAGE

Application: ft ² /gallon (m ² /L)	First Coat	Optional Second Coat
Curing and Sealing New Concrete	200 to 300 (4.9 to 7.4)	300 to 400 (7.4 to 9.8)
Sealing Existing Concrete	250 to 350 (6.1 to 8.6)	350 to 450 (8.6 to 11.0)

Coverage will vary from the above rates depending on surface porosity and texture. **AVOID EXCESSIVE BUILD-UP. THICKER APPLICATIONS MAY LEAD TO DISCOLORATION AND POOR PRODUCT 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 3/8" (0.95 cm) nap sleeve.

Curing and Sealing: 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. When applying to 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 to 4 hours of the previous coat.

REMOVAL

Dried, cured AQUA-CURE VOX may be removed with strong solvents such as EUCO SOLVENT, xylene, MEK or toluene. Also acceptable are commercial paint strippers (always heed directions and warning labels). EUCO CLEAN & STRIP is a citrus-based stripper that can be used to remove this product. 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 material has dried.

PRECAUTIONS/LIMITATIONS

- Do not allow containers of product to freeze. Store between 50°F to 100°F (10°C to 38°C).
- For best application results, product temperature should be between 50°F to 100°F (10°C to 38°C) with ambient and surface temperatures between 40°F to 110°F (4°C to 45°C) during application.
- 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 to ensure good bond between the adhesive and AQUA-CURE VOX. Complete product removal or the use of KUREZ DR VOX is recommended to cure concrete 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 other sources of water for at least 12 hours after application.
- Do not thin this product with water or any other solvents.
- In all cases, consult the Material Safety Data Sheet before use.

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