



AQUA KURE™ WHITE

- White
- White
DOT

Water based white pigmented liquid membrane-forming curing compound

Advantages:

- Most economical of all curing methods
- Permits proper hydration
- Assures full strength of concrete
- Prevents scaling, hair checking and dusting
- Excellent reflectance qualities
- Easy application
- Protects surface from early rainfall damage

Coverage:

- 200 ft² per gallon (4.9m²/liter)

See Coverage section for full details

Packaging:

5 gal (18.9L) pail
55 gal (208.2L) drum
DOT – 55 gal (208.2L) drum



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Product Description

AQUA KURE™ WHITE is a liquid membrane forming concrete curing compound. When applied to freshly placed concrete surfaces, it forms a surface membrane that prevents rapid evaporation of the mixing water necessary for proper concrete curing and strength development. AQUA KURE™ WHITE when tested according to the water retention test ASTM C-156 will restrict the loss of water to not more than 0.55 kg/m² in 72 hours. The white pigmentation of AQUA KURE™ WHITE reflects the heat-producing rays of the sun, thereby helping to keep the concrete surface cooler. The white pigmentation will also help prevent excessive heat build-up and reduce the cause of thermal cracking during the curing period. AQUA KURE™ WHITE is available in two groups of product, one for State Department of Transportation application (state certified), and the second for construction application meeting ASTM C-309.

Protection of concrete is considered vital in today's high tech world. This is particularly true of structures like bridges and highways that are subject to a variety of damaging chemicals and physical abuse. Most concrete engineers are unanimous in their insistence that fresh concrete be protected as quickly as possible with a concrete curing compound. The concept of a liquid membrane system for curing concrete was developed in the early 1950's. It was a great simplification over the previous curing methods. AQUA KURE™ WHITE is a thoroughly tested water based liquid membrane curing compound that will conform to ASTM C-309, federal, state, county, and municipal specifications. It provides efficient, economical concrete curing for all types of construction.

Installation

Before using this product, please refer to

the Material Safety Data Sheet for additional information. Proper handling precautions MUST be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results.

When To Apply -Horizontal Surfaces

Curing compounds only work if they are on top of the concrete surface and do not penetrate. The timing of application is important. AQUA KURE™ WHITE should be applied after setting of cement, immediately after evaporation of the surface water sheen and the concrete surface will not be marred by foot traffic. It is during this time that the concrete is most vulnerable to spalling, hair checking and other surface defects. If surface is dry, it should be completely dampened (no puddles) before applying AQUA KURE™ WHITE.

Vertical Surfaces

Application should be made immediately after the forms have been removed and walls are rewetted with clean water. Allow excess water to run off before applying AQUA KURE™ WHITE. For uniform application on vertical surfaces, two coats applied at an interval of approximately 4 hours may achieve the specified rate of application. Do not apply to interfacing of channels to be caulked with "elastomeric" sealants. This can be avoided by masking.

Application Methods

Stir AQUA KURE™ WHITE thoroughly prior to use. Do not dilute or alter product. Apply with spray, brush, roller, or

lamb's wool applicator. On smooth concrete use spray, lamb's wool applicator or short-nap roller. On rough concrete (broomed or textured) use spray, brush, or long-nap roller. Apply uniformly to form a continuous film on the surface without thick or "ponded" areas. A power airless sprayer will give best results for large areas. Industrial low-pressure type pump sprayer with neoprene hose and gaskets may be used for small areas. To ensure proper application with sprayers, use only a clean or new industrial grade sprayer equipped with a non-adjustable fan tipped nozzle, neoprene hose and gaskets. Maintain sufficient pump pressure throughout application. Uniform surface coverage is essential; avoid "puddling" in low areas. If material starts to come out in a stream, versus a fog, or starts to come out in spits and sputters, the nozzle has become clogged. Stop immediately and clean nozzle with lacquer thinner before proceeding. Clean the sprayer immediately after use with a lacquer thinner flush.

Cautions

Apply at temperatures above 50°F. Use adequate ventilation. For interior applications, ventilation system should be capable of exchanging total air volume in application area in 30 minutes or less. Avoid prolonged or repeated breathing of vapor or spray mist. **KEEP OUT OF THE REACH OF CHILDREN.** Contains a petroleum distillate. Keep away from heat or open flame. Empty containers may contain explosive vapors or residues. Do not cut or weld empty container. Store empty container away from sources of ignition.

Limitations

Do not use AQUA KURE™ WHITE on surfaces to be covered by paint, resilient flooring or ceramic tile, or other subsequent products without removal of the AQUA KURE™ WHITE residue. This may be done through a stiff wire brooming of the surface, a riding floor scrubber, water blast or sandblast. Around columns or perimeters near walls, removal may entail grinding, sandblasting or liquid strippers depending on the thickness of the compound. Good concrete paints, epoxies, liquid floor hardeners, sealers, ceramic tile cements, are formulated to give maximum adhesion when applied to a clean concrete surface. Always follow the surface preparation requirements of the manufacturer of the subsequent product to be installed.

Test areas should be applied when uncertain of surface conditions or unfamiliarity of product exists. Tests will determine if the surface is properly prepared for adequate adhesion, best method of application, and probable coverage rate.

Technical Data

Applicable Standards

- ASTM C-309-91, Type 2, Class A,B
(Liquid Membrane Forming Compounds for Curing Concrete)
- AASHTO-M148, Type 2, Class A,B (when light reflectance is waived)
- FDOT upon request

Properties

- | | |
|----------------|-------------|
| • Color | White |
| • Solids | 26-30% |
| • Bulk Density | 7.45 lb/gal |

- | | |
|-----------------|----------------------|
| • Freeze Point | 32°F (0°C) |
| • Dry Time | 2-4 hours |
| • Moisture Loss | 37 kg/m ² |

Coverage

Compliance with ASTM C-309 specification is an application rate of 200 square feet per gallon (4.9m²/liter). Dept. of Transportation coverage rate is 200 square feet per gallon(4.9m²/liter).

Clean-Up & First Aid

Clean-Up

Clean brushes, tools, sprayers, rollers and other equipment with lacquer thinner, toluol, or xylol.

First Aid

Eye Contact: Hold eyelids open and immediately flush with plenty of lukewarm water for at least 15 minutes and call a physician.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical aid.

Inhalation: Remove from exposure; administer oxygen if breathing is difficult.

Ingestion: Do not induce vomiting. Small amounts of liquid aspirated into lungs may cause serious pulmonary injury.

Safety Equipment

Solvent resistant gloves, goggles and if applied in areas of poor or inadequate ventilation, use mine safety mask and canister (Organic Vapor Canister No. 77705 GMA).

KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.