ATLAS QUANTUM-CURE™

Non-Staining, Membrane-Forming Water-Based Concrete Curing Compound that is Environmentally Safe and Compatible with Subsequent Concrete Treatments & Flooring.

Description

Atlas Quantum-Cure is a clear, odorless, water-based concrete curing compound that is formulated to ensure proper concrete strength development, help prevent shrinkage cracks, and leave a bondable surface for further coatings, treatments or flooring materials. This ready-to-use, non-staining, membrane-forming cure is spray-applied on freshly placed concrete to help control moisture retention for proper cement hydration during the critical curing period. Quantum-Cure is an environmentally safe product that contains 0 VOCs, is MAS Certified Green for LEED projects, and is available for potable water containment projects in a non-dyed formula that conforms to NSF/AN SI Standard 61. Quantum-Cure does not need to be removed prior to the application of subsequent sealers, paints, adhesives, floor coverings, waterproofing, etc. Quantum-Cure provides contractors, architects, engineers and owners a simple solution to compatibility and discoloration issues.

Uses

- Concrete floors, decks, walls, columns, beams, sidewalks, driveways, architectural concrete, etc.
- Interior and exterior applications.
- Ideal for schools, hospitals, condominiums, office buildings, parking garages, warehouses, manufacturing facilities, water treatment plants, water tanks, dams, canals, bridges, food processing plants, stadiums, house foundations, etc.

Features

- Membrane-forming to control moisture retention for proper cement hydration.
- Helps concrete reach maximum strength.
- Helps prevent plastic shrinkage cracks.
- Compatible with subsequent treatments, coatings and flooring materials, including concrete sealers, paints, waterproofing, tile, carpet adhesives, cement-based mortars, or other architectural coatings.
- Non-staining formulation maintains natural look of concrete.
- Increases abrasion & impact resistance of surface.
- Water-based formula; meets stringent VOC regulations.

Features (Cont.)

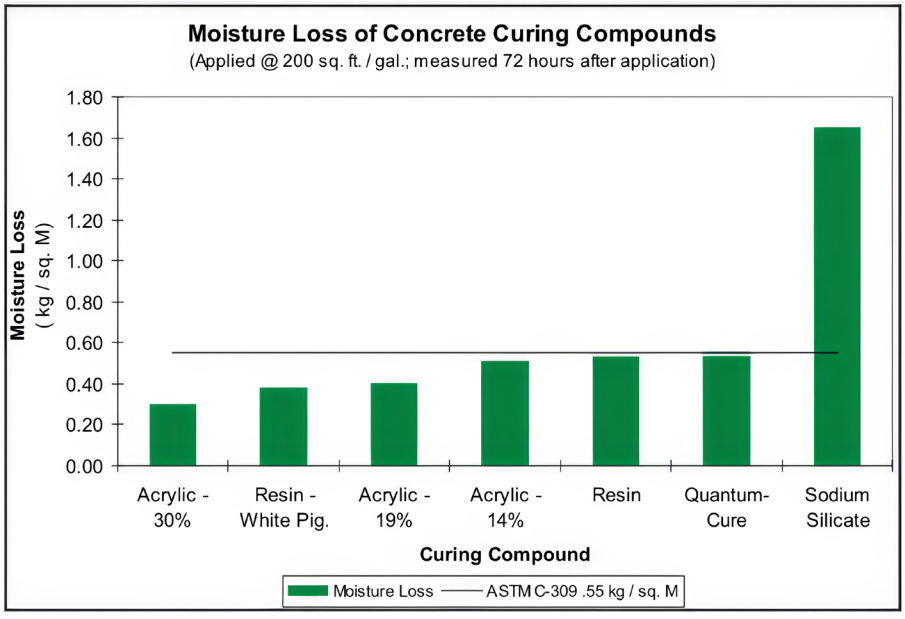
- Fast drying.
- Will not yellow, even if exposed to sunlight.
- Does not contain any waxes, silicones or paraffins.
- Does not contain any flammable or combustible solvents.
- Ready-to-use and easy to spray-apply.
- No odor.
- No special cleaning required. Just rinse equipment with water after use.

Technical Data & Specifications

Meets moisture retention of ASTM C-309, Type 1/1D
Class A & B on hard troweled concrete surfaces
VOC Compliant - 0 g/L
CA Dept. of Public Health v1.2
LEED v4.1
NSF/ANSI Standard 61 Certified available formula - Quantum Cure 61

MAS CERTIFIED GREEN for a healthier indoor environment

Color .....Blue Liquid
Color (Once dry).....Clear
Dry Time (To Touch).....15-20 minutes
Dry Time (Light Foot Traffic).....1-2 hours
Dry Time (Normal Traffic).....4 hours
Flash Point.....none
VOC Content.....0 g / L



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4640 Brinell Street . San Diego, CA 92111
858-277-2100 . Fax 858-277-0585
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Treat your concrete to Tech Products.

Atlas Quantum-Cure™

Coverage
Broom Finish: 200-400 ft2 per gal.(4.9 - 9.8 M2 per L)
Smooth Finish: 400-600 ft2 per gal.(9.8 - 14.7 M2 per L)
Vertical Surface: 400-500 ft2 per gal.(9.8 - 12.3 M2 per L)

Coverage rates are approximate, and can vary depending on the porosity of the concrete and jobsite conditions.

Application Procedures
Preparation
Clean application equipment thoroughly prior to use. Atlas recommends using a power sprayer or manual construction sprayer, equipped with a fan spray tip (#8003 - #8005) that produces a flow of 0.3 - 0.5 gallons (1.14 - 1.89 liters) per minute under 40 psi (.276 MPa) of pressure. Agitate Quantum-Cure prior to pouring out of container. Application of curing compound is not recommended when temperature is below 40° F (4° C). Concrete surface may be dry or damp at time of application. Do not apply over puddled water.

Application
For horizontal applications, immediately apply Quantum-Cure after all surface water has disappeared and the concrete surface is hard enough to walk on. For vertical applications, apply immediately after removing the concrete forms. Keep spray tip approximately 2 feet from the concrete surface and apply in a uniform and continuous manner according to the coverage rates above. Try to avoid spraying in windy conditions, but if necessary, the use of a wind screen in front of the work area will aid in obtaining a uniform application. Avoid over-application, do not puddle or leave heavy streaks of curing compound. Over-application or puddling of cure may leave white crystals on the surface, which should be removed immediately by flushing with water, scrubbing, and squeegee clean.

Cleaning
Quantum-Cure may be cleaned from equipment using soap and warm water. If material is accidentally sprayed on metal, aluminum, glass or painted surfaces, rinse immediately with water.

Subsequent Coatings
Quantum-Cure does not prevent the adhesion or penetration of subsequent treatments, coatings or flooring materials. Wait a minimum of 72 hours after application of Quantum-Cure prior to applying subsequent materials. Prior to application of subsequent treatments, coatings or flooring materials, always follow the instructions from the manufacturer of those materials.

Packaging
5 gallon (18.9 L) pails
55 gallon (208.2 L) drums
275 gallon (1,040.9 L) totes

Storage
Store Quantum-Cure in tightly sealed original factory containers in a cool and dry area. Protect from freezing. Store above 40° F (4° C).

Limitations
- Must be agitated prior to use.
- Not recommended for application when temperature is below 40° F (4° C).
- Do not apply when temperature is expected to fall below 32° F (0° C) within 6 hours of application.
- Keep material from freezing. Store above 40° F (4° C).
- Do not allow material to contact metal, aluminum, glass or painted surfaces.
- May not be suitable for some colored concrete applications. Always perform a small test or mock-up.
- Do not dilute or alter in any way.

Caution
Always wear protective goggles and gloves when using this product. Do not take internally. If swallowed, do not induce vomiting. Contact a physician immediately. If eye contact occurs, flush eyes with fresh water for 15 minutes and contact a physician. Wash all exposed skin with soap and water after use. Keep out of the reach of children.

Additional precautions and safety information are contained in the Safety Data Sheet.

Technical Services
For assistance, contact an Atlas Tech representative at:
858-277-2100 or 1-877-588-2100
Fax: 858-277-0585
Email: info@atlastechproducts.com
Website: www.atlastechproducts.com

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Made in USA.
For professional use only.
Consult Material Safety Data Sheet for more information.

Disclaimer of Warranties: Neither manufacturer nor seller have any knowledge or control concerning the purchaser's use of the product. No expressed warranty is made by manufacturer or seller with respect to the results of any use of the product or container that the product comes in. No implied warranties including, but not limited to, an implied warranty of fi tness for a particular purpose are made with respect to the product. Neither manufacturer nor seller assume any liability for personal injury, loss or damage resulting from the use of the product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows: Seller or manufacturer shall, upon request of buyer, replace any quantity of the product which is proven to be defective or shall, at its option, refund the purchase price of the product upon return of the product. Manufacturer shall not be responsible for use of this product in a manner to infringe on any patent held by others.

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