



ATLAS QUANTUM-CURE™

Non-Staining, Membrane-Forming 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 GreenSpec listed for LEED® projects, and is available for potable water containment projects in a non-dyed formula that conforms to NSF/ANSI 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, such as Atlas Tech 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.)

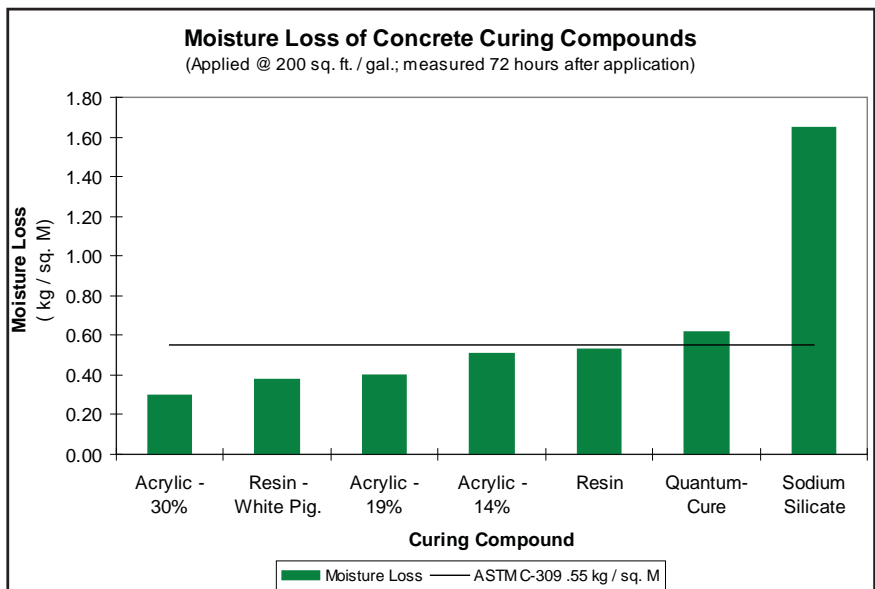
- Fast drying.
- Will not yellow, even if exposed to sunlight.
- Does not contain any waxes, silicones or paraffins.
- Does not contain any flammable or combustible solvents.
- Ready-to-use and easy to spray-apply.
- Pleasant scent.
- No special cleaning required. Just rinse equipment with water after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

Technical Data & Specifications

GreenSpec listed for LEED® projects
 Eligible for IEQ 4.2 LEED® credit
 NSF/ANSI Standard 61 Certified available formula
 VOC Compliant

Water Retention Test.....0.62 kg/sq. M
 (ASTM C-156)

ColorBlue 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



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)

Application Procedures

Preparation

Clean application equipment thoroughly prior to use. Atlas recommends using a power sprayer or manual sprayer, such as the Atlas Tech 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 rate chart on the front side of this Product Data Sheet. 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 or puddling of curing compound.

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 Material 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 fitness 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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