ATLAS QUANTUM-CURE NSF

Non-Staining, Membrane-Forming Concrete Curing Compound that is Environmentally Safe and Compatible with Subsequent Concrete Treatments & Flooring & Certified to Conform to NSF Standard 61.

Description
Atlas Quantum-Cure NSF 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 NSF is an environmentally safe product that contains 0 VOCs, is GreenSpec listed for LEED® projects, and is certified to conform to NSF/ANSI Standard 61. Quantum-Cure NSF does not need to be removed prior to the application of subsequent sealers, paints, adhesives, floor coverings, waterproofing, etc. Quantum-Cure NSF 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.

Technical Data & Specifications
GreenSpec listed for LEED® projects
NSF/ANSI Standard 61 Certified
VOC Compliant

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)

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.

ATLAS QUANTUM-CURE NSF

Moisture Loss by Concrete Curing Compounds
(Applied @ 200 sq. ft. / gal.; measured 72 hours after application)

<table>
<thead>
<tr>
<th>Curing Compounds</th>
<th>Moisture Loss (kg / sq. M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic - 30%</td>
<td>(0.30)</td>
</tr>
<tr>
<td>Resin - White Pig</td>
<td>(0.38)</td>
</tr>
<tr>
<td>Acrylic - 19%</td>
<td>(0.40)</td>
</tr>
<tr>
<td>Acrylic - 14%</td>
<td>(0.51)</td>
</tr>
<tr>
<td>Resin</td>
<td>(0.53)</td>
</tr>
<tr>
<td>Quantum-Cure</td>
<td>(0.62)</td>
</tr>
<tr>
<td>Sodium Silicate</td>
<td>(1.75)</td>
</tr>
</tbody>
</table>

Water Retention Test........0.62 kg/sq. M (ASTM C-156)
Color ..................................Clear 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 Construction Supply, Inc.
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858-277-2100 . Fax 858-277-0585
www.atlastechproducts.com

Treat your concrete to Tech Products.
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 NSF 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 NSF 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 NSF 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 NSF 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 NSF 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 NSF 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:
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Website: www.atlastechproducts.com