



AQUORON® CBP-3000™

Proven Since 1985

Concrete Block Preservation Treatment Masonry and Stone Enhancement

Manufacturer

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Product Description

Aquron® CBP-3000™ is a clear aqueous borne completion treatment for (CFM) concrete block, fluted concrete block, split face concrete block and other large volume porosity concrete products.

Basic Use

Aquron® CBP-3000™ is a permanent and clear treatment/preservative/sealant solution for concrete block, fluted concrete block, split face concrete block and other large volume porosity concrete product. Aquron® CBP-3000™ is a highly reactive catalytic agent, which reacts with free alkali and/or alkaline hydrates by internally producing a silica hydrogel which fills the pore spaces and the voids around aggregate. Furthermore, alkali is converted to a neutral compound structure, reducing the potential for internal chemical reactions. More density is added, additional bonding strength is provided and concrete is permanently hydrostatically sealed from within.

Aquron® CBP-3000™ is an ideal primer for concrete block surfaces that are to receive paint or other coatings since it enhances the bonding quality of the surface. Aquron® CBP-3000™ prevents peeling, cracking and loss of bond caused by capillary moisture or internal chemical reactions that can cause saponification.

Aquron® CBP-3000™ will not alter the appearance of the surface or physical characteristics and will enhance surface traction quality.

The use of Aquron® CBP-3000™ will significantly protect concrete block from damages (spalling, etc.) caused by freeze-thaw cycles, especially where salt or calcium chloride has been used for ice removal.

Aquron® CBP-3000™ will arrest or at least severely retard concrete block etc., being deteriorated by alkaline aggregate reactions (AAR). In addition, by treating concrete block not yet affected, the potential will be virtually eliminated.

Some Attributes

- Waterproofs
- Seals matrix
- Prevents internal water migration
- Zero VOC/VOS content
- Hardens surface
- Stays pliable

Some Attributes Cont...

- Application is permanent
- Adds density and bonding strength
- Adds abrasion resistance
- Resists freeze-thaw spalling
- Improves thermal resistance
- Improves adhesion of topicals
- Improves past carbonation effects
- Improves acid/chemical resistance
- Increases surface abrasion resistance
- Increases strength
- Lowers internal chemical reaction potential
- Lowers creep potential
- Lowers electrostatic discharge potential
- Seals weeping concrete by spraying on
- Retards dusting
- Non-toxic
- Non-flammable
- Neutralizes internal corrosives
- Severely retards capillary action
- Resists fungus and mildew
- Excellent pre-treatment for coating systems
- Makes ice removal/cleaning easier
- Deeply penetrating 2"-3"/50-75mm
- Able to clean equipment using only water

Precautions

- Spills or spray droplets in contact with glass should be removed immediately by flushing with water.
- DO NOT ALLOW TO DRY**, as etching can occur.
- Some discoloration of polished aluminum can occur.
- Do not apply Aquron® CBP-3000™ when air and/or substrate temperatures are less than 37oF/2.8oC and will not decrease to less than 37oF/2.8oC for 6 hours.
- For proper seal, concrete block should have 8% to 12% cementitious (Portland Cement) content.

Composition

Aquron® CBP-3000™ is a highly reactive catalytic agent in a water borne proprietary silicate base which produces a silica-hydro gel below the surface and inside the matrix.

Applicable Standards

Aquron® CBP-3000™ meets or exceeds the following standards:

- ASTM C-67 Section 7 - Water absorption
- ASTM-67 Section 9 - Suction
- ASTM C-67 Section 10 - Efflorescence
- ASTM C-666 - Freeze-thaw resistance
- ASTM C-23-69 - Artificial weathering
- ASTM C-666 - Salt attack resistance
- AASHTO T260 - Chloride ion content
- AASHTO T259-78 - Chloride ion penetrations
- USDA Approved for use in food processing areas
- VOC/VOS Compliant

Installation

JOB CONDITIONS

1. Do not proceed with application of Aquron® CBP-3000TM when ambient temperature and/or substrate temperatures are less than 37°F/2.8°C or forecasted to drop below 37°F/2.8°C during the next 6 hours following application.
2. Should temperatures be extremely hot, cool surface with sufficient water to decrease temperature.
3. Caution should be taken in windy conditions as Aquron® CBP-3000TM if allowed to dry on glass can etch (flush immediately with water should contact with glass occur).
4. As a deeply penetrating water borne product, Aquron® CBP-3000TM must have access to the surface. Any previous coatings or heavy build-ups of oil, grease, or atmospheric pollution must be removed.

APPLICATION PROCEDURE

1. Coverage rate is 1.17-2.3m² per ltr² /50-100 sq ft per gallon depending on porosity size.
2. Application is to be made with low pressure spray equipment with tip size of .026 to .072 (pump-up garden sprayer with fan tip – DO NOT ATOMIZE)
3. Always start application at lowest possible area first and proceed to the higher elevations. On vertical applications (walls) start at bottom and proceed up the surface.
4. Holding spray tip 6"-12"/150mm-300mm from surface using overlapping spray pattern and fanning motion at the end of each pass.
5. When application is to a weeping hydrostatic wall it is recommended a second application be applied, second coat should be applied immediately following the first application with no longer than 20 minutes between applications. Do not allow first application to dry before second application is applied.
6. Should impurities appear on surface from the purging action of Aquron® CBP-3000TM before application is dry, but no sooner than 10 minutes after application. RINSE surface with sufficient potable water to remove impurities (LOW PRESSURE ONLY).
7. Surface can be opened for traffic immediately following application. Caution must be taken as treated surface may be slippery until completely cured! If surface is to be covered with a coating or adhesive let surface air dry completely (24-72 hours or more, depending on temperature and humidity conditions)

Clean-up and Safety

No special clothing, breathing apparatus, goggles or gloves are necessary, but in enclosed areas it is advisable to wear an

appropriate respirator to avoid possible irritation to breathing. Attention should be made to watches, eyeglasses etc., as Aquron® CBP-3000TM can etch glass or discolor aluminum if allowed to dry.

Clean all equipment using water and mild soap. Never store spray equipment without cleaning and following manufacturer's recommendations for storage between usage.

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Shelf Life

Self-life is indefinite provided containers are kept tightly sealed when not in use.

Packaging

Aquron® CBP-3000TM is available in 5 gallon/18.9 liters and 55 gallon/208.2 liters drum size.

Aquron® CBP-3000TM is also available in bulk containers.

Maintenance

Special maintenance of treated area is not required.

Technical Services

Technical information and assistance may be obtained from your local dealer, or by calling the technical department of the Aquron Corporation at (972) 722-5444, (800) 342-4649 Office, or (972) 722-6412 FAX or toll free FAX (888) 412-1543.

E-mail welcome – aquron@aquron.com

Warranties and Limitations of Liability

Aquron Corporation ("Seller") warrants that if any goods supplied prove defective in workmanship or materials, that Seller shall replace them or refund their purchase price. Aquron Corporation offers a performance warranty for this Aquron® product. This warranty for the performance this Aquron® product must be requested from the Aquron Corporation and initiated prior to applying this Aquron® product. Failure to initiate warranty of performance prior to application, holds harmless Aquron Corporation of any liability arising from its use, and user assumes all risk and liabilities whatsoever in connection therewith. The terms of this paragraph may not be orally modified. There are no warranties express or implied which extend beyond the face herewith. ©Copyright 2007 Aquron Corporation All rights reserved.

Local Area Representative