



AQURON® 3000

PROVEN SINCE 1985

CONCRETE BLOCK PROTECTION

MANUFACTURER

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PRODUCT DESCRIPTION

Aquron® ACBP-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® ACBP-3000 is a permanent clear treatments /pre-servative/sealant solution for concrete block, fluted concrete block, split face concrete block and other large volume porosity concrete product. **Aquron® ACBP-3000** is a highly reactive catalytic agent which reacts with free alkali and/or alkaline hydrates by internally producing a silica hydro-gel 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® ACBP-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® ACBP-3000** prevents peeling, cracking and loss of bond caused by capillary moisture or internal chemical reactions that can cause saponification.

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

The use of **Aquron® ACBP-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® ACBP-3000 will arrest or at least severely retard concrete block etc., being deteriorated by alkaline aggregate reactions. In addition, by treating concrete block not yet affected, the potential will be virtually eliminated.

SOME ATTRIBUTES

- Seals matrix
- Hardens surface
- Stays pliable
- Application is permanent
- Adds density and bonding strength
- Waterproofs
- Resists freeze-thaw spalling
- Improves thermal resistance
- Seal weeping concrete by spraying on
- Improves adhesion of topicals
- Retards dusting
- Neutralizes internal corrosives
- Non-toxic
- Non-flammable
- Severely retards capillary action
- Clean equipment using only water
- Zero VOC/VOS content
- Resists fungus and mildew
- Adds abrasion resistance
- Deeply penetrating 2"-3"/50-75mm

PRECAUTION

- 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® ACBP-3000** when air and/or substrate temperatures are less than 37°F/2.8°C and will not decrease to less than 37°F/2.8°C for 6 hours.
- For proper seal, concrete block should have 8% to 12% cementitious (Portland Cement) content.

COMPOSITION

Aquron® ACBP-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.

APPLICATION STANDARDS

Aquron® ACBP-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 | |

PHYSICAL PROPERTIES

Physical	liquid
Color	clear
Odor	none
Specific gravity	1.15±
Flash point	none
pH	11.5±
Toxicity	none
Boiling point	230°F/110°C
Freeze temperature	32°F/0°C
Hazardous vapors	none
Weight per gallon	4.32kg/9.54lbs.
Environmentally	neutral
User	friendly
Shelf life	indefinite
Freeze harm	none (allow to thaw completely)
Surface bond quality	excellent
Flammability	none
VOC/VOS compliant	yes
Resistance to UV	excellent
Paintable	yes
Pollutants	none
Waste disposal methods	Non-hazardous
Resistance to abrasion	excellent
Polymerization	excellent
Solids before applied	nil
Solids after applied	100%
R-Factor	increase up to 20%
Recommended coverage	3.5m ² /L or 150sq.ft. per US Gallon
Clean up solvent	water

INSTALLATION

JOB CONDITIONS

1. Do not proceed with application of **Aquron® ACBP-3000** 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® ACBP-3000** 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® ACBP-3000** 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 L/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)

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 its **Aquron® ACBP-3000** product. This warranty for the performance of **Aquron® ACBP-3000** must be requested from the Aquron Corporation and initiated prior to applying **Aquron® ACBP-3000**. 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.

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® ACBP-3000** 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 & 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® ACBP-3000 can etch glass or discolor aluminum if allowed to dry.

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

SHELF LIFE

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

PACKAGING

Aquron® ACBP-3000 is available in 5 gallon/18.9 liters and 55 gallon/208.2 liters drum size. **Aquron® ACBP-3000** 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) 412-4649, (800) 342-4649 Office, or (972) 412-1543 FAX or toll free FAX (888) 412-1543.

LOCAL AREA REPRESENTATIVE