PRODUCT DATA SHEET

Utilizing worldwide resources, Aquron Corporation has brought together a community of experts that are passionate about providing environmentally responsible solutions to challenges within all areas of concrete construction, which results in extending the life cycle of both new and existing concrete.

AQURON

CBP-3000™

Concrete Block Preservation Treatment

SCAN TO SEE THE AQURON ADVANTAGE

CSI DIVISION

04

DESCRIPTION

AQURON® CBP-3000™ offers a proven solution to reduce water migration in cementitious block. It is an effective treatment that is an aqueous-borne, deep penetrating catalyzed colloidal silica liquid that turns into an amorphous hydrogel membrane inside the block or concrete.

BASIC USE AND APPLICATIONS

AQURON® CBP-3000™ is a permanent, clear treatment/preservative for existing block walls with moisture problems. **AQURON®** CBP-3000™ will reduce permeability and porosity which will reduce moisture travel through the block.

PRODUCT BENEFITS AND CHARACTERISTICS

- Deeply penetrates into CMU block walls and permanently reduces permeability and porosity
- Preserves the integrity of any concrete matrix
- Excellent pre-treatment for many different types of coating systems
- Increased resistance to salt/chloride ion intrusion
- Increases the density within the surface of concrete masonry units for weathering and abrasion resistance
- Minimizes the effects of freeze thaw in concrete masonry units
- Reduces the effects of carbonation and adds chemical resistance to the concrete masonry units
- Not intended to be utilized as a stand-alone solution in structural repairs within concrete masonry walls/ units
- Zero VOC/VOS content

MEETS OR EXCEEDS THESE STANDARDS

- AASHTO T259 Ion Content
- AASHTO T260 Chloride ion penetration
- ASTM C114 Sealing from water soluble chlorides
- ASTM C156 Water retention
- DIN 1048 German and International standard for water penetration, freeze-thaw, absorption/suction, dusting resistance, efflorescence, resistance to salt attack (cross reference ASTM C672)
- ASTM CD4541 Pull up adhesion test
- ASTM C672 Resistance to scaling and salt exposure
- ASTM 666 Rapid freeze-thaw
- CRD C4873 Permeability testing

PRECAUTIONS

- Cover all GLASS. AQURON® CBP-3000™ will etch glass.
- Cover everything not intended for product. Incidental damage may occur on unintended surfaces.
- Spills or spray droplets in contact with glass should be removed immediately by flushing with water.
- Some discoloration of aluminum can occur.
- Do not proceed with application of AQURON® CBP-3000™ when ambient temperature and/or substrate temperatures are less than 40°F/4.5°C or forecasted to drop below 40°F/4.5°C during the next 6 hours.
- Other sealers on the concrete surface must be removed before applying CBP-3000.
- Polymers in the mix. **Most block manufactured after 2000, is polymer modified and as a result will limit the effectiveness of CBP-3000.**
- DO NOT ALLOW TO FREEZE

INSTALLATION

Job Conditions

1. Low Temperatures: Do not proceed with application of AQURON® CBP-3000™ when ambient temperature and/or substrate temperatures are less than 40°F/4.5°C or forecasted to drop below 40° F/4.5°C during the next 6 hours.
2. High Temperatures: Should ambient or substrate temperature be 95°F/35°C or higher, cool surface with sufficient water so that the surface stays damp. Disperse puddled water.
3. Wind: Caution should be taken in windy conditions. Do not allow product to contact surfaces not intended for CBP-3000 application.
4. Dry: If allowed to dry, AQURON® CBP-3000™ can etch glass or dull shiny aluminum. If contact is made with glass or aluminum, rinse surface immediately with water before AQURON® CBP-3000™ dries on surface.
5. Penetration: As a waterborne product, AQURON® CBP-3000™ must have access to the surface. Any paint, previous coatings or heavy buildup of oil or grease must be removed by mechanical abrasion.

Should you have any questions regarding surface preparation, contact Aquron for technical support at 1-800-342-4649

6. Strength: **DO NOT DILUTE. USE AS SUPPLIED**
7. Applying impervious coatings, coverings, etc.: Once AQURON® CBP-3000™ is applied, wait 72 hours on existing block before applying impervious coatings, coverings, etc.
8. Fractures: AQURON® CBP-3000™ only seals the block itself, not fractures. AQURON® CBP-3000™ is not intended to bridge cracks, substrate imperfection, and concrete delamination.

APPLICATION PROCEDURE FOR ESTABLISHED BLOCK WALLS

1. When applying **AQURON®** CBP-3000™ always use an airless sprayer with a tip size of 419, 519 or 619 tip. For smaller areas it is acceptable to use a low pressure pump tank sprayer with a tip size of .026 to .072.
2. Application of the material with the airless sprayer shall be at a 90 degree angle to the surface of the floor, wall or ceiling.
3. Pre-wet area of application with water to cool block wall that is extremely hot (95ºF/35 °C or higher). Pooled and puddle areas must be dispersed. Continue to keep damp until **AQURON®** CBP-3000™ has been applied.
4. Coverage rate is 50-100 sq feet per gallon. Apply wet on wet to refusal. For best results apply to maximum tolerance. This is accomplished when the product runs 3 inches or more below the application.
5. Start application holding spray tip approximately 8”–10“/200–300mm from concrete surface. Make application using an overlapping spray pattern with a fanning motion at the end of each pass.
6. Entire area being treated is to be saturated, but do not allow **AQURON®** CBP-3000™ to puddle. Disperse puddled areas with a broom or water hose 5-10 minutes after application is completed. Do not allow puddles of **AQURON®** CBP-3000™ to dry.
7. Always start application at lowest possible area and proceed to higher elevations. For vertical walls, begin at the bottom with East-West, overlapping spray patterns. Just like laying bricks, bottom row, next row, etc. Work your way from the bottom to the top. Repeat procedure to refusal.
8. When an application of **AQURON®** CBP-3000™ has purged foreign materials, such as salts/ chlorides from the concrete masonry units. The concrete surface material deposits must be thoroughly washed/cleaned or abraded away before coatings are applied. This is best done while the purged material is wet.

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-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 manufacture's recommendations for storage between uses.

SHELF LIFE

Contents inside of packaging has 1 year shelf life, provided **AQURON®** CBP-3000™ is kept tightly sealed in original container when not in use.

PACKAGING

AQURON® CBP-3000™ is available in 5 gallon/18.9 liters and 55 gallon/208.2 liters drum size. AQURON® CBP-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 HEADQUARTERS at (800) 342-4649.

Email: Info@aquron.com

LIMITED WARRANTIES

AQURON® products effectively address problems caused by moisture intrusion when properly applied by Aquron Trained Key Applicators. Aquron will warrant the Aquron® CBP-3000™ against water migration through sound block walls for a warranty period of one-year. Extended warranties are available and an application must be filled out prior to applying the product.

THE FOLLOWING LIMITATIONS APPLY TO THE AQURON PRODUCT WARRANTIES:

- **ALL PRODUCTS SHALL BE APPLIED BY AQURON TRAINED KEY APPLICATORS IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS FOR THE WARRANTY TO BE EFFECTIVE.**
- **ALL WARRANTY REMEDIES ARE LIMITED TO REFUND OF THE PURCHASE PRICE FOR THE AMOUNT OF PRODUCT COVERING THE AFFECTED AREA**
- **MECHANICALLY RELATED MOISTURE MIGRATION IS SPECIFICALLY EXCLUDED FROM ANY AQURON WARRANTY**
- **ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES FOR FITNESS FOR USE OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED, EXCLUDED AND WAIVED TO THE FULLEST EXTENT ALLOWED BY LAW.**

IT IS THE RESPONSIBILITY OF THE KEY APPLICATOR TO DETERMINE FITNESS FOR USE OF THIS PRODUCT

For all Limited Warranty questions or for warranty service, contact Aquron Headquarters at the numbers below.

AQURON CORPORATION P.O. BOX 758 ROCKWALL, TEXAS 75087 972.722-5444 OR 800.342.4649 (TOLL FREE USA) www.aquron.com