



# AQURON® 7000™

Proven Since 1985

## Concrete Soluble Chloride Reducer CONCRETE PROTECTION AND WATERPROOFING

### MANUFACTURER

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### PRODUCT DESCRIPTION

AQURON® 7000™ is an odorless, clear to green, non-toxic, non-petroleum, water borne solution that is environmentally safe and user friendly.

### BASIC USE

AQURON® 7000™ readily penetrates/permeates Portland cement concrete when applied to its surface, reducing or eliminating soluble chloride as it does so (only soluble chlorides are relevant to embedded steel corrosion), without affecting the insoluble chloride content or reducing cement paste pH value, to depths of at least 3"-5"/75mm-100mm or more, depending on porosity/permeability of concrete being treated. AQURON® 7000™ has the unique ability to arrest and/or prevent oxidation-reduction reaction (corrosion) on embedded steel. AQURON® 7000™ achieves this by implementing hydrochloric acid neutralization, oxide coat de-aeration, oxygen deprivation, and an increase in valence value of the embedded steel's protective coating whether corroding or not. Used as a preventive, AQURON® 7000™ reduces or eliminates soluble chlorides left clinging to pore space walls in newly placed concrete installations, effectively removing the potential of these soluble chlorides eventually migrating to the embedded steel of floors, slabs, etc. AQURON® 7000™ will not alter the surface appearance or physical characteristics of the concrete, nor will it impair surface traction quality. An application of AQURON® 7000™ will enhance surface bonding quality, making it an excellent primer for surfaces that are to be coated, if applicable.

AQURON® 7000™ is non-destructive, eliminating the need to remove the concrete portion to get closer to or expose the embedded steel, and is environmentally safe and user friendly. Concrete surface may be wet or dry, but must be free of standing water. Treated area needs only to be closed to traffic during actual application and can be opened to traffic immediately following application. AQURON® 7000™ is not a sodium silicate product.

### PHYSICAL PROPERTIES

Physical . . . . . liquid  
Color . . . . . clear/green  
(due to unique ingredients color may vary)  
Odor . . . . . slight  
Specific gravity . . . . . 1.09 to 1.10  
Flash point . . . . . none  
pH . . . . . 12±  
Toxicity . . . . . none  
Boiling point . . . . . 230°F/110°C  
Freeze temperature . . . . . 32°F/0°C  
Hazardous vapors . . . . . none  
Weight per gallon . . . . . 9.15lbs/4.15kg  
Environmentally . . . . . neutral  
User . . . . . friendly  
Shelf life . . . . . indefinite  
Freeze harm. . . . . none (allow to thaw completely)  
Surface bond quality . . . . . excellent  
Flammability . . . . . none  
VOC/VOS content . . . . . none

### SURFACE PREPARATION

Concrete surfaces should be structurally sound and clean of any contaminates or previous coatings that would adversely affect the penetration of AQURON® 7000™. Surface may be either dry or damp, but must be free of all standing water. Do not apply to frozen substrate, or if freeze is expected during the next 12 hours. Areas to be patched or surfaced should be treated after loose unbonded matter has been evacuated and before actual patching or surfacing!

1. Remove all carpeting, vinyl, tile, asphalt, etc., from areas to be treated.
2. Remove all loose, spalling or unsound concrete.
3. Use a track blasting or sandblasting process to remove any previous treatments, adhesives, etc.

**Note:** When track blasting the spalled areas, the operator should take care to remove all oxidation from exposed steel reinforcing, especially from the bottom exposures. Immediately following the blasting operation, coat all the clean exposed steel with a quality rust inhibitor.

### USAGE

To estimate volume of product needed, 175-200 sq ft per U.S. gallon/4.2m<sup>2</sup> - 4.9m<sup>2</sup> per Liter on normal porosity/permeability concrete is suggested, however actual quantities required may vary.

## INSTALLATION

- Installation requires using an airless paint sprayer with a 3/8" I.D. fluid hose, with a .017 - .019 spray tip producing 1500 to 2000 p.s.i. outbound pressure.
- AQURON® 7000™ is applied to point of concrete saturation twice, which is a point where runoff is about to occur, in back to back applications. To achieve this it is recommended that area to be treated should begin at a specific start point and treated to a specific finishing point.
- Then, without repositioning equipment and after the treated area has absorbed the AQURON® 7000™ treatment (lost surface sheen), treat same area with second application before moving to next area to be treated. (Do not allow first application to dry; second application is applied to surface while still damp from first application.)
- Application is to begin at lowest point. Walls or steep slopes are to be applied from the bottom up. Fan spray patterns overlapped 25 to 30% to prevent holidays in coverage.
- If surface coating is planned, it is necessary to wait at least 12 hours after application then flush surface thoroughly with water and allow to completely dry before coating.
- Always prepare surface to coating manufacturer's specifications.
- Apply AQURON® CPT-2000™ to the AQURON® 7000™ treated area while surface is still damp from AQURON® 7000™ treatment (do not allow surface to dry before applying AQURON® CPT-2000™). Apply AQURON® CPT-2000™ according to AQURON® CPT-2000™ specified application procedure.

**Note:** If concrete replacement is required in the repair work, apply AQURON® CPT-2000™ after the placement of concrete repair, if specifications allow. Both fresh concrete and adjacent cured concrete shall be wet, i.e. saturated surface dry (SSD), before applying AQURON® CPT-2000™.

## PRECAUTIONS

Remove spills or spray mist in contact with glass or glazed surface immediately as distortion of surface may occur. Do not allow product to dry, remove by flushing with water. Shiny aluminum may be dulled if contacted, metal is otherwise unaffected. Do not apply to frozen substrate, or if freeze may occur during next 12 hours following application.

## CLEAN-UP & SAFETY

No special clothing, breathing apparatus, goggles and gloves are necessary but in enclosed areas it is advisable to wear an organic vapor respirator to avoid possible irritation to breathing. Attention should be made to watches, eyeglasses etc., as AQURON® 7000™ and AQURON® CPT-2000™ 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.

## SHELF LIFE

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

## PACKAGING

AQURON® CPT-2000™ and AQURON® 7000™ are available in 5 gallon/18.9 liters and 55 gallon/208.2 liters drum size.

AQURON® CPT-2000™ and AQURON® 7000™ are 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 – info@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 for the affected area. Aquron Corporation offers a performance warranty for this Aquron® product. The warranty for the performance of 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.

### Local Area Representative