



# AQUORON® 6312™

Proven Since 1985

## Elastomeric Coating CONCRETE PROTECTION AND WATERPROOFING

### MANUFACTURER

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### PRODUCT DESCRIPTION

**AQUORON® 6312™** system is an elastomeric clear waterproofing/oil repellent system of tough curing liquid acrylic styrene and aqueous resin silicate.

### BASIC USE

The **AQUORON® 6312™** system cures to form an elastomeric surface membrane that provides a lasting eye appealing and easy to clean clear coating. **AQUORON® 6312™** system is used to apply a seamless monolithic waterproofing/oil repellent to smooth or rough concrete. **AQUORON® 6312™** system can be used for plazas, decks, roof terraces, balconies, parking structures and all other concrete structures. **AQUORON® 6312™** system bonds to clean, cured, dry concrete. **AQUORON® 6312™** system retains its integrity even with substrate movement. If cut or damaged the **AQUORON® 6312™** system will prevent water migration between it and its substrate. **AQUORON® 6312™** system is characterized by tenacious adhesion, abrasion resistance and chemical resistance. The **AQUORON® 6312™** system will waterproof concrete slabs and protect occupied areas underneath from water damage. The **AQUORON® 6312™** system will also assist in protecting concrete from the damaging effects of water deicing agents, chemicals, gasoline, oil and antifreeze.

### PRECAUTIONS

**AQUORON® 6312™** system cannot be applied to concrete when temperatures of substrate or air are below 50°F/10°C. Caution should be taken to protect surrounding areas from incidental contact with **AQUORON® 6312™**. **AQUORON® 6312™** is very difficult to remove if allowed to dry on surface. Do not allow to freeze.

### COMPOSITION

Acrylic styrene with aqueous resin silicate dispersant and proprietary additives.

### APPLICABLE STANDARDS

**AQUORON® 6312™** meets or exceeds the following standards:

- ASTM D2370 Elongation
- ASTM C666 Freeze-thaw resistance
- ASTM C67 Water Absorption
- ASTM T257-78 Chloride-ion Penetration
- ASTM C666 Salt Attack
- ASTM D412 Tensile Strength
- ASTM C794 Pull Resistance
- ASTM D1640 Cure Time

### TECHNICAL DATA

Physical	liquid
Color	cloudy clear
Specific gravity	1.04
pH	7 to 8
Flash Point	none
Toxicity	insignificant trace of VOC
Freeze Temperature	32°F/0°C
Freeze Harm	possible (DO NOT ALLOW TO FREEZE)
Storage Temperature	50°F-80°F/10°C-26°C
Hazardous Vapors	none
Environmentally	friendly
Shelf life	indefinite
Flammability	none
VOC/VOS	Compliant
Resistance to UV	Excellent
Paintable	no
Abrasion resistance	Excellent
Equipment cleaning solvent	mild soap & water
Surface bond quality	Excellent
Disposal method	non-hazardous
Coverage	300 – 400 sq. ft. per US Gallon

### SOME ATTRIBUTES

- Preserves integrity of concrete, stone, slate or brick
- Significantly reduces water mitigation
- Protects from oil
- Decreases thermal conductivity
- Imparts increased density
- Protects concrete from de-icing agents
- Protects from gasoline
- Protects from anti-freeze
- Protects from chemical attack
- Makes ice removal easier
- Increases thermal resistance
- Expands and contracts with substrate

## INSTALLATION

### Job Conditions

1. Do not proceed with application of **AQURON® 6312™** when ambient temperature and/or substrate temperatures are less than 50°F/10°C or forecasted to drop below 50°F/10°C during the next twenty-four (24) hours.
2. **AQURON® 6312™** must be applied to a clean dry surface, any oil, grease or other contaminants must be removed completely before applying **AQURON® 6312™**. However, a test area must always be applied to ascertain compatibility.
3. Active cracks, or any crack subject to freeze/thaw action shall be sealed as directed by the concrete repair engineer.
4. If concrete substrate has moisture problems, dusting, corrosive damage or contamination, these problems must be treated with **AQURON® CPT-2000™** prior to **AQURON® 6312™**. If in doubt call an AQURON Technical Services Advisor.

### Application Procedure

(WITH SURFACE FORMING MEMBRANE)

1. Allow crack and jointing applications to completely cure according to manufacturer's instructions.
2. Using a roller, apply **AQURON® 6312™** liquid to surface of concrete at the pre-established rate for mil thickness desired. For application rates call your Aquoron representative.
3. Once application is complete back roll surface to produce an even sheen then leave surface to cure. Always ensure there is no excess foam on the treated surface as this may show up as a whitening on completed cured surface.
4. Once application is complete do not open to traffic (foot or wheeled) until surface is no longer tacky. It is advisable to wait at least 24 hours before open to wheeled traffic if possible. Do not allow treated surface to become wet until cured.

## CLEAN-UP AND SAFETY

Caution must be taken, as treated surface may be slippery until completely cured. Operator should always work with their feet on dry untreated surface.

No special clothing, breathing apparatus, goggles and gloves are necessary but in enclosed areas it is advisable to wear a simple dust mask to avoid possible irritation to breathing.

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 product is maintained in original containers with lids tightly sealed. DO NOT ALLOW TO FREEZE.

## MAINTENANCE

Special maintenance of treated area is not required. When cleaning **AQURON® 6312™** treated surface it is permissible to use a pressure washer. The pressure washer operator should always keep the discharge tip at least 20" to 24" from surface. Never use a zero tip on the pressure washer. Should there be oil or grease use a soap product to aid in cleaning.

Always operate pressure washer at lowest pressure possible.

## AVAILABILITY

**AQURON® 6312™** is available in 5 gallon pails/18.9 liters, 55 gallon/208.2 liter drums and 330 gallon totes.

**AQURON® 6312™** is also available in bulk containers.

## 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](mailto: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. 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