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.

6312
PENETRATING SEALER
CONCRETE PROTECTION AND WATERPROOFING

SCAN TO SEE THE AQURON ADVANTAGE

CSI DIVISION

03 30 00 07 10 00

DESCRIPTION

AQURON® 6312 is a penetrating clear waterproofing/oil repellent sealer of tough curing liquid acrylic styrene and aqueous resin siliconate.

BASIC USE

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

PRODUCT BENEFITS AND CHARACTERISTICS

- Preserves integrity of concrete, stone, slate or brick
- Significantly reduces water migration from the side its applied on.
- Resists oil, but **DO NOT** allow oil to stand more than 6 hours or it can stain
- Decreases thermal conductivity
- Protects concrete from de-icing agents
- Protects from gasoline
- Protects from anti-freeze
- Protects from chemical attack
- Makes ice removal easier
- Increases thermal resistance

MEETS OR EXCEEDS THESE STANDARDS

- ASTMC666 Freeze-thaw resistance
- ASTM C67 Water Absorption
- ASTM T257-78 Chloride-ion Penetration
- ASTM C672 Salt Attack
- ASTM D412 Tensile Strength
- ASTM C794 Pull Resistance
- ASTM D1640 Cure Time

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PRECAUTIONS

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

COVERAGE RATE

- 300-400 sq.ft. per US gallon/27.87-37.16 sq. meters per liter

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 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

APPLICATION FOR CURED CONCRETE

1. Allow crack and jointing applications to completely cure according to manufacturer's instructions.

2. Using a medium nap roller or microfiber, apply AQURON® 6312™ liquid to surface of concrete.

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 whiting on completed cured surface. To remove foam from surface back roll slowly.

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 foot or wheeled traffic. Do not allow treated surface to become wet until cured.

APPLICATION FOR HARD TROWELED CURED CONCRETE

1. For application to hard troweled areas, it will be necessary to dilute the 6312 50/50 with water to enable adequate penetration. Prior to the 1st layer curing (30-60 minute window), apply a full strength application of 6312. If the concrete has been mechanically closed, it will be necessary to slightly open the surface so the 6312 can penetrate creating adhesion.

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CLEAN UP AND SAFTEY

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

Contents inside of packaging has a 1 year shelf life, provided **AQURON®** 6312 is kept in original container with lids tightly sealed.

PACKAGING

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.

MAINTENANCE

Special maintenance of treated area is not required. Do not allow potential staining material or oil to stand on concrete more than 6 hours. 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.

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 (888) 412-1543.

LIMITED WARRANTIES

AQURON PRODUCTS EFFECTIVELY ADDRESS PROBLEMS CAUSED BY MOISTURE INTRUSION WHEN PROPERLY APPLIED BY AQURON TRAINED KEY APPLICATORS. AQURON WILL WARRANT IT'S PRODUCTS, AS STATED AND PROVIDED WITH EACH AQURON PRODUCT, TO BE EFFECTIVE AGAINST MOISTURE INTRUSION THROUGH SOUND CONCRETE FOR A WARRANTY PERIOD OF ONE YEAR.

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 RESONSIBILITY OF THE KEY APPLICATOR TO DETERMINE FITNESS FOR USE.**

For all Limited Warranty questions or for warranty service, contact Aquron Headquarters at (800) 342-4649.