

## I-Deck ELASTOMERIC COATING

### MANUFACTURER

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### PRODUCT DESCRIPTION

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

### BASIC USE

The **AQUORON**® I-Deck™ system cures to form an elastomeric surface membrane that provides a lasting eye appealing and easy to clean invisible coating.

**AQUORON**® I-Deck™ system is used to apply a seamless monolithic waterproofing/oil repellent to smooth or rough concrete.

**AQUORON**® I-Deck™ system can be used for plazas, decks, roof terraces, balconies, parking structures and all other concrete structures. **AQUORON**® I-Deck™ system bonds to clean, cured, dry concrete. **AQUORON**® I-Deck™ System retains its integrity even with substrate movement.

**AQUORON**® I-Deck™ system is characterized by tenacious adhesion, abrasion resistance and chemical resistance.

The **AQUORON**® I-Deck™ system will waterproof concrete slabs and protect occupied areas underneath from water damage. The **AQUORON**® I-Deck™ system will also assist in protecting concrete from the damaging effects of water deicing agents, chemicals, gasoline, oil and antifreeze.

### PRECAUTIONS

- The **AQUORON**® I-Deck™ 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**® I-Deck™.
- **AQUORON**® I-Deck™ is very difficult to remove if allowed to dry on surface.
- Do not allow to freeze.

### COMPOSITION

The **AQUORON**® I-Deck™ system is composed of tough curing liquid acrylic styrene, aqueous resin silicate and polymers.

### APPLICABLE STANDARDS

**AQUORON**® I-Deck™ meets or exceeds the following standards:

- |                |                          |
|----------------|--------------------------|
| • ASTM D-2370  | Elongation               |
| • ASTM C-666   | Freeze-thaw resistance   |
| • ASTM C-672   | Water Absorption         |
| • ASSHTO T-259 | Chloride-ion Penetration |
| • ASTM C-666   | Salt Attack              |
| • ASTM D-412   | Elastomeric Tension      |
| • ASTM C-794   | Pull resistance          |
| • ASTM D-1640  | Cure Time                |

### PHYSICAL PROPERTIES

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 ( <b>Do not allow</b> )
Storage temperature	50°F-80°F/10°C-26°C
Hazardous vapors	None
Environmentally	Friendly
Shelf life	Indefinite
Flammability	None
VOC/VOS Compliant	Yes
Resistance to UV	Excellent
Paintable	Yes
Abrasion Resistant	Excellent
Equipment Cleaning solvent	Mild soap and water
Surface Bond quality	Excellent
Disposal method	Non-hazardous
Coverage	300-400 ft <sup>2</sup> per US gallon / 3.5m <sup>2</sup> per liter

### BENEFITS

- Preserves integrity of concrete, stone, slate or brick
- Reduces moisture penetration
- Protects from oil
- Decreases thermal conductivity
- Protects concrete from de-icing agents
- Protects from gasoline
- Protects from anti-freeze
- Protects from chemical attacks
- Makes ice removal easier
- Increases thermal resistance
- Expands and contracts with substrate
- Protects from grill grease

### INSTALLATION

#### Job Conditions

1. Do not proceed with application of **AQUORON**® I-Deck™ 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**<sup>®</sup> I-Deck<sup>™</sup> must be applied to a clean dry surface. Any oil, grease or other contaminants must be removed completely before applying **AQURON**<sup>®</sup> I-Deck<sup>™</sup>. Apply I-Deck<sup>™</sup> to a test area 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**<sup>®</sup> CPSP<sup>™</sup> Concrete Pool Shell Protector prior to **AQURON**<sup>®</sup> I-Deck<sup>™</sup>. If in doubt call an **AQURON**<sup>®</sup> Technical Services Advisor (972) 722-5444.

#### **Application Procedure**

1. For new Construction allow crack and jointing applications to completely cure according to manufacturer's instructions.
2. Using a 0.75 inch/0.019 meter NAP roller, apply **AQURON**<sup>®</sup> I-Deck<sup>™</sup> liquid to surface of concrete at the pre-established rate for mil thickness desired. Coverage rate: 300-400 sq.ft. per US gallon/27.87-37.16 sq. meters per liter
3. **DO NOT** roll on in a fast motion as this action can produce excess foam resulting in a whitening effect on the completed cured surface. If excess material exists back roll for even sheen—**DO NOT** allow to pond or puddle 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

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 usages.

#### **SHELF LIFE**

Shelf life is indefinite provided product is maintained in original containers with lids tightly sealed. **DO NOT ALLOW FREEZING.**

#### **MAINTENANCE**

Special maintenance of treated area is not required.

When cleaning **AQURON**<sup>®</sup> I-Deck<sup>™</sup> 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 inches/.508 to .609 meters 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**<sup>®</sup> I-Deck<sup>™</sup> is available in 5 gallon/18.9 liters, 55 gallon/208.2 liter drums. I-Deck<sup>™</sup> 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**<sup>®</sup> Global Aquatics Division. E-mail [aquaticsdivision@aquaron.com](mailto:aquaticsdivision@aquaron.com)

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#### **LIMITED WARRANTIES**

**AQURON** products effectively address problems caused by moisture intrusion when properly applied by Aquaron Trained Key Applicators. Aquaron will warrant its products, as stated and provided with each Aquaron product, to be effective against water intrusion for a warranty period of one-year. Two-year warranties are available if a warranty application is completed and approved before product application. **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.

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

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apparatus, goggles or gloves are necessary, but in enclosed areas it is advisable to wear a simple