

I-DECK ELASTOMERIC COATING

MANUFACTURER

AQUORON® Corporation International
Post Office Box 758
Rockwall, Texas 75087 U.S.A
770 355-6490 Aquatics Division
972-722-5444 Corp HQ
972-722-6412 Fax
800-342-4649 Toll Free
888-412-1543 Toll Free Fax
E-Mail: aquaticsdivision@aquoron.com
Website: www.aquoron.com/full-service-dealers/aquatic-division/

PRODUCT DESCRIPTION

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

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. If cut or damaged the AQUORON® I-Deck™ system will prevent water migration between it and its substrate. 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

AQUORON® I-Deck™ system cannot be applied to concrete when temperatures of substrate or air are below 50°F/12°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.

APPLICABLE STANDARDS

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

- ASTM D-2370 Elongation
- ASTM C-666 Freeze-thaw resistance
- ASTM C-67 Water Absorption
- ASTM T-257-78 Chloride-ion Penetration
- ASTM C-666 Salt Attack
- ASTM D-412 Tensile Strength
- ASTM C-794 Pull Resistance
- ASTM D-1640 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) |
| 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 | yes |
| 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
- Waterproofs
- Protects from oil
- Decreases thermal conductivity
- Imparts increased density
- Protects from gasoline
- Protects from anti-freeze
- Protects from chemical attack
- Makes ice removal easier
- Expands and contracts with substrate

INSTALLATION

JOB CONDITIONS

1. Do not proceed with application of AQURON® 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® I-Deck™ must be applied to a clean dry surface, any oil, grease or other contaminants must be removed completely before applying AQURON® I-Deck™. 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® CPSP™ Concrete Pool Shell Protector prior to AQURON® I-Deck™. If in doubt call an AQURON Technical Services Advisor.

APPLICATION PROCEDURE

1. For new Construction allow crack and jointing applications to completely cure according to manufacturer's instructions.
2. Using a 3/4 inch NAP roller, apply AQURON® I-Deck™ liquid to surface of concrete at the pre-established rate for mil thickness desired. Coverage rate 300-400 SF/ US gallon.
3. DO NOT roll on in a fast motion as this action can produce excess foam resulting in a whitening affect 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 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.

SHELF LIFE

Shelf life is indefinite provided product is maintained in original containers with lids tightly sealed. DO NOT ALLOW TO FREEZE PRIOR TO APPLICATION.

MAINTENANCE

Special maintenance of treated area is not required. When cleaning AQURON® I-Deck™ 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.

PACKAGING

AQURON® I-Deck™ is available in 5 gallon/18.9 liters, 55 gallon/208.2 liter drums and 220.

AQURON® I-Deck™ 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 Aquatics Division at 770 355-6490
E-mail aquaticsdivision@aquron.com**

AQURON Corp. HQ 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. 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