

I-Deck PENETRATING SEALER

MANUFACTURER

AQUORON® Corporation International
Post Office Box 758
Rockwall, Texas 75087 U.S.A

Corp. HQ (972) 722-5444
Fax (972) 722-6412
Toll free tel. (800) 342-4649
Toll free fax (888) 412-1543

Email: aquaticsdivision@aquoron.com
Website: www.AQUORON.com

PRODUCT DESCRIPTION

AQUORON® I-Deck™ is a clear waterproofing/oil repellent penetrating sealer of tough curing liquid acrylic styrene, aqueous resin silicate and polymers.

BASIC USE

The **AQUORON**® I-Deck™ cures to form a surface membrane that provides a lasting eye appealing and easy to clean sealer.

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

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

AQUORON® I-Deck™ is characterized by tenacious adhesion, abrasion resistance and chemical resistance. **AQUORON**® I-Deck™ will waterproof concrete slabs from the top and protect occupied areas underneath from water damage.

AQUORON® I-Deck™ will also assist in protecting concrete from the damaging effects of water, deicing agents, chemicals, gasoline, oil and antifreeze.

PRECAUTIONS

- The **AQUORON**® I-Deck™ cannot be applied to concrete when temperatures of substrate or air are below 50°F/10°C or will drop below 50°F in the next 24 hours.
- 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™ 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 C-666 Freeze-thaw resistance
- ATM 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 (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	Yes
Resistance to UV	Excellent
Paintable	No
Abrasion Resistant	Excellent
Equipment Cleaning solvent	Mild soap and water
Surface Bond quality	Excellent
Disposal method	Non-hazardous
Coverage	300-400 ft ² per US gallon / 3.5m ² per liter

BENEFITS

- Preserves integrity of concrete, stone, slate or brick
- Reduces moisture penetration from the top side
- 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
- Protects from grill grease

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 fore-casted to drop below 50°F/10°C during the next 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™**. Apply **AQURON® I-Deck™** to 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® CPSP™** prior to **AQURON® I-Deck**. If in doubt, call an **AQURON®** Technical Services Advisor at (972) 722- 5444.

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® I-Deck™** 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 whitening 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 CONCRETE

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

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 surfaces. No special clothing, goggles or gloves needed, but a dust mask is recommended in enclosed areas to avoid possible irritation to breathing. Clean all equipment using water and mild soap. Never store spray equipment without cleaning and following manufacturers recommendations for storage between uses.

SHELF LIFE

Contents inside of packaging has a 1 year shelf life, provided **AQURON® I-Deck** is kept in original container with lids tightly sealed. DO NOT ALLOW FREEZING.

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 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® I-Deck™ is available in 5 gallon/18.9 liters pails, 55 gallon/208.2 liter drums. It 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.

AQURON® Corp. HQ (972) 722-5444 Office
(800) 342-4649 Toll free
972) 722-6412 FAX
(888) 412-1543 Toll free FAX

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.