



AQURON® 631™

Proven Since 1985

Elastomeric Deck Coating System CONCRETE PROTECTION AND WATERPROOFING

MANUFACTURER

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PRODUCT DESCRIPTION

AQURON® 631™ is an elastomeric clear waterproofing/oil repellent system of tough-curing liquid acrylic styrene.

BASIC USE

AQURON® 631™ cures to form an elastomeric surface membrane that provides a lasting eye appealing and easy to clean clear coating. AQURON® 631™ is used to apply a seamless monolithic waterproofing/oil repellent to smooth or rough concrete. AQURON® 631™ can be used for plazas, decks, roof terraces, balconies, parking structures, and all other concrete structures.

AQURON® 631™ bonds to clean, cured, dry concrete, stone or brick. AQURON® 631™ retains its integrity even with substrate movement. If cut or damaged the AQURON® 631™ will prevent water migration between it and its substrate. AQURON® 631™ is characterized by tenacious adhesion, abrasion resistance and chemical resistance. The AQURON® 631™ will waterproof concrete slabs and protect occupied areas underneath from water damage. The AQURON® 631™ will also assist in protecting concrete from the damaging effects of water deicing agents, chemicals, gasoline, oil and anti-freeze.

SOME ATTRIBUTES

- Preserves integrity of concrete, stone, slate or brick
- Waterproofs
- Protects from oil
- Decreases thermal conductivity
- Protects concrete from de-icing agents
- Protects from gasoline
- Protects from anti-freeze
- Protects from chemical attack
- Makes ice removal easier
- Expands and contracts with substrate

PRECAUTIONS

AQURON® 631™ 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 AQURON® 631™.

AQURON® 631™ is very difficult to remove if allowed to dry on surface. Do not allow to freeze.

APPLICABLE 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

PHYSICAL PROPERTIES

Physical	liquid
Color	milky white
Specific gravity	1.04
pH	7 to 8
Flash point	none
Freeze temperature	32°F/0°C
Freeze harm	DO NOT ALLOW
Flammability	none
Toxicity	insignificant trace of VOC
Resistance to U.V	excellent
Storage temperature	50°F - 80°F/10°C - 26°C
VOC/VOS compliant	yes
Environmentally	friendly
Surface bond quality	excellent
Hazardous vapors	none
Abrasion resistance	excellent
Disposal method	non-hazardous
Coverage Rate	varies with mil thickness

COMPOSITION

Acrylic styrene with aqueous dispersion and proprietary additives.

APPLICATION

Job Conditions

1. Do not proceed with application of AQURON® 631™ when ambient temperature is less than 50°F/10°C or forecasted to drop below 50°F/10°C in the next twenty four (24) hours.
2. AQURON® 631™, must be applied to a clean dry surface. Any oil, grease or other contaminants must be removed completely before applying AQURON® 631™. AQURON® 631™ can be applied over some coatings. 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® 631™. If in doubt, call an AQURON Representative.

Application Procedure

1. Allow crack and jointing applications to completely cure as per manufacturers instructions.
2. Using a low-pressure sprayer or paint roller, apply AQURON® 631™ liquid to surface of concrete at the pre-established rate for mill thickness desired. For application rates call your AQURON Representative.
3. Surface should appear totally saturated with the AQURON® 631™ during Step 2. Using a Concrete Finishing Power Trowel or Floor Polisher with nylon brush, or a foam paint roller, work the AQURON® 631™ from a white liquid state into a light foam, ensuring surface receives a minimum of one pass. Operator should always work with their feet on dry untreated surface.
4. Dress perimeter where power trowel or polisher will not reach with a bristle brush by brushing the AQURON® 631™ liquid in the same manner as described in step 3.

5. Once light foaming action is completed, back roll surface to produce an even sheen then leave surface to cure. At this stage AQURON® 631™ will appear a transparent purplish color curing to clear. Always ensure there is no excess foam on the treated surface as this may show up as a whitening on completed cured surface.
6. 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 & SAFETY

Clean all equipment using water and mild soap. Never store spray equipment without cleaning and following manufacturer's recommendations for storage between usage. No special safety procedures are required when applying AQURON® 631™

SHELF LIFE

Shelf life is one year provided containers are kept tightly sealed when not in use. Do not allow to freeze!

PACKAGING

AQURON® 631™ is available in 5 gallon/18.9 liters and 55 gallon/208.2 liters drum size.

AQURON® 631™ is also available in bulk containers.

MAINTENANCE

Special maintenance of treated area is not required. When cleaning AQURON® 631™ it is permissible to use a pressure washer. The pressure washer operator should always keep the discharge tip at least 20" to 24"/500 to 600mm 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 possible setting!

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 – 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