



AQUORON® 631

PROVEN SINCE 1985

ELASTOMERIC DECK COATING SYSTEM

MANUFACTURERS

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PRODUCT DESCRIPTION

Aquron 631 system is an elastomeric clear waterproofing/oil repellent system of tough-curing liquid acrylic styrene. The **Aquron 631** system cures to form an elastomeric surface membrane that provides a lasting eye appealing and easy to clean clear coating.

Aquron 631 system is used to apply a seamless monolithic waterproofing/oil repellent to smooth or rough concrete. **Aquron 631** system can be used for plazas, decks, roof terraces, balconies, parking structures, and all other concrete structures.

Aquron 631 system bonds to clean, cured, dry concrete.

Aquron 631 system retains its integrity even with substrate movement. If cut or damaged the **Aquron 631** system will prevent water migration between it and its substrate. **Aquron 631** system is characterized by tenacious adhesion, abrasion resistance and chemical resistance. The **Aquron 631** system will waterproof concrete slabs and protect occupied areas underneath from water damage. The **Aquron 631** system 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
- Waterproofs
- Protects from oil
- Decreases thermal conductivity
- Imparts increased density
- Protects concrete from de-icing agents
- Protects from gasoline
- Protects from anti-freeze
- Protects from chemical attack
- Makes ice removal easier
- Increases thermal resistance
- Expands and contracts with substrate

PRECAUTION

Aquron 631 system cannot be applied to concrete when temperatures of substrate or air are below 55°F/12°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.

APPLICATION STANDARDS

Aquron 631 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	milky white
Specific gravity	1.04
pH	7 to 8
Flash point	none
Freeze temperature	DO NOT ALLOW
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
Recommended Coverage Rate	varies with mil thickness

COMPOSITIONS

Acrylic styrene with aqueous dispersion and proprietary additives.

INSTALLATION

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 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 (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.

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 its **Aquron 631** product. This warranty for the performance of **Aquron 631** must be requested from the Aquron Corporation and initiated prior to applying **Aquron 631**. 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.

7. Should aggregate be specified for additional traction it shall be silica sand or alumina oxide of a 20 to 30 mesh size. Should more than one application of **Aquron 631** surface membrane be specified it will only be applied to the final application (broadcast aggregate by hand, seedspreader, sandblast etc.,).

CLEAN-UP & SAFETY

Clean 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" 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!

AVAILABILITY

Aquron 631 system is manufactured by the Aquron Corporation and is distributed throughout the United States and internationally through our Distributor Network.

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) 412-4649, (800) 342-4649 Office, or (972) 412-1543 FAX or toll free FAX (888) 412-1543.

LOCAL AREA REPRESENTATIVE