PRODUCT DATA SHEET

AQURON

MVB
Moisture Vapor Barrier

Utilizing worldwide resources, Aquron Corporation has brought together a community of experts that are passionate about providing environmentally responsible solutions to challenges within all areas of concrete construction, which results in extending the life cycle of both new and existing concrete.

CSI DIVISION

07 26 00

SCAN TO SEE THE AQURON ADVANTAGE

DESCRIPTION

AQURON® MVB™ is an amber colored, environmentally responsible, aqueous dispersion liquid that seals the concrete.

BASIC USE

AQURON® MVB™ is an amber colored milky aqueous dispersion liquid that when applied properly to Portland cement concrete, will penetrate sealing the concrete's surface.

AQURON® MVB™ forms a clear to milky film surface depending on the concrete's density and surface finish that is durable and tenacious in adhering to concrete's surface.

AQURON® MVB™ is a single application product, that is a permanent moisture vapor blocker that can help reduce moisture vapor transmission to below the threshold levels established by coatings and topical manufacturers.

When properly applied **AQURON®** MVB™ will reduce moisture vapor emissions rate from 6 to 3 pounds or less in approximately 24 hours. Where emission rates are higher than 6 pounds, a pre-treatment with **AQURON®** CPT-2000™ is required. (Consult with Aquron's Technical Department.) (It is suggested that ASTM 1869 calcium chloride test be used to establish final moisture content.)

AQURON® MVB™ also densifies, strengthens and adds abrasion resistance to the surface of concrete, forming a non-tacky surface when dry.

PRODUCT BENEFITS AND CHARACTERISTICS

- Permanently seals concrete surface
- Improves adhesion of topicals
- Preserves matrix integrity
- Increases surface abrasion resistance
- Excellent primer for water based coatings
- Adds density
- Improves thermal resistance
- Increases strength of surface
- Zero VOC/VOS content
- Improves acid/chemical resistance
- Lowers electrostatic discharge potential

MEETS OR EXCEEDS THESE STANDARDS

- ASTM C-67 Section 7 - Water Absorption
- ASTM-67 Section 9 - Suction
- ASTMC-67 Section 10 - Efflorescence
- ASTM C-666 - Freeze-thaw resistance
- ASTM C-23-69 - Artificial weathering
- ASTM C-666 - Salt attack resistance
- AASHTO T260 - Chloride ion content
- AASHTO T259-78 -Chloride ion penetration
- VOC/VOS Compliant

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PRECAUTIONS

- Spills or spray droplets in contact with glass should be removed immediately by flushing with water. **Do not allow to dry** as etching can occur.
- Some discoloration of aluminum can occur.
- Do not not apply **AQURON®** MVB when air or substrate temperatures are less than 40ºF and will not decrease to less and 40° for 24 hours.
- **AQURON®** MVB can not be used in direct contact with solvent based adhesives or coatings (VOC/VOS). If solvent based adhesives or coatings are utilized, a water based or latex primer must be used to completely coat the **AQURON®** MVB application before applying any solvent based adhesive or coating.
- Stir product before use.
- DO NOT ALLOW TO FREEZE

INSTALLATION

JOB CONDITIONS

1. Do not proceed with application of **AQURON®** MVB™ when ambient temperature and/or substrate temperatures are less than 40ºF or fore-casted to drop below 40ºF during the next 24 hours.
2. Should ambient or substrate temperature be 95 degrees or higher, cool surface with sufficient water so that the surface stays damp. Disperse puddled water.
3. Caution should be taken in windy conditions as **AQURON®** MVB if allowed to dry, can etch glass or dull shiny aluminum. If contact is made with glass or aluminum rinse surface immediately with water before **AQURON®** MVB dries on surface.
4. As a water borne product, **AQURON®** MVB must have access to the surface. Any previous coatings, paint, oil or grease must be removed.
5. Do not dilute. Use as supplied.
6. Once **AQURON®** MVB is applied, wait at least 24 hours before applying breathable coatings, coverings etc.
7. **AQURON®** MVB can't be used in direct contact with solvent based adhesives or coatings (VOC/VOS). If solvent based adhesives or coatings are utilized, a water based or latex primer must be used to completely coat the **AQURON®** MVB application before applying any solvent based adhesive or coating.

APPLICATION PROCEDURE

(FOR ESTABLISHED CURED CONCRETE)

1. First, stir product to insure that there is no settlement.
2. **AQURON®** MVB must be applied to concrete's surface using a medium nap paint roller.
3. First pour a manageable amount of **AQURON®** MVB onto the surface of clean, coating free concrete.
4. Using a medium nap paint roller uniformly and evenly distribute the **AQURON®** MVB over the concrete's surface at a rate of 300 to 350 square feet per U.S. gallon.
5. Applicator should always apply **AQURON®** MVB with their feet firmly standing on dry, un-treated concrete to minimize possible slippage.
6. Once application is complete, wait 24 hours for thorough curing of **AQURON®** MVB before applying topical coatings.

CLEAN UP AND SAFETY

- Clean equipment using water and mild soap. Never store equipment without cleaning and following manufacturer's recommendations for storage between usage.

SHELF LIFE

Contents inside of packaging has a 1 year shelf life provided containers are kept tightly sealed when not in use.

PACKAGING

AQURON® MVB is available in 5-gallon/18.93L Pails. **AQURON®** MVB is also available in bulk containers.

TECHNICAL SERVICES

Technical information and assistance may be obtained from your local distributor or by calling the technical department of the Aquron Corporation at (972) 722-5444, (800) 342-4649 Office, or fax (972) 722-6412 or toll free (800) 412-1543

LIMITED WARRANTIES

AQURON products effectively address problems caused by moisture intrusion when properly applied by Aquron Trained Key Applicators. Aquron will warrant its products, as stated and provided with each Aquron product, to be effective against water intrusion for a warranty period of one-year. Extended warranties are available and an application must be filled out prior to applying the product.

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 Aquron Headquarters at the numbers below.

972.722-5444 OR 800.342.4649 (TOLL FREE USA)