



AQURON® Endura-Wood™

Proven Since 1985

WOOD ENHANCEMENT

MANUFACTURER

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PRODUCT DESCRIPTION

AQURON® Endura-Wood™ is a colloidal silicate sub-surface membrane with a special integral water repellent. AQURON® Endura-Wood™ is a specifically formulated aqueous silicate component with a cloudy-white color that dries clear, and is odorless, non-petroleum, user friendly and environmentally neutral, containing a deep penetrating and superior fire retardant chemical, and protects against wood destroying insects.

BASIC USE

AQURON® Endura-Wood™ is a liquid solution that can be applied to wood by either pressure impregnation, submerging of wood or by surface coating. Wood treated with AQURON® Endura-Wood™ will be highly resistant to fire, waterproofed and preserved.

Wood treated with AQURON® Endura-Wood™ will combust at a much slower rate of speed than unprotected wood exposed to fire. In addition to providing fire resistance, AQURON® Endura-Wood™ is also highly effective in protecting the wood against mildew, algae, fungus, airborne pollutants, insects, etc. AQURON® Endura-Wood™ alleviates or prevents warping, cracking, shrinking, growth of mold, mildew, and rot, etc., in addition to providing UV protection to wood.

AQURON® Endura-Wood™ deeply penetrates and dries clear while exceeding environmental requirements. AQURON® Endura-Wood™ can be used on all types of wood on both horizontal and vertical surfaces. Coating wood that is new with AQURON® Endura-Wood™ will usually give it a richer golden appearance while older weathered wood will retain its same appearance after treatment with AQURON® Endura-Wood™.

SOME ATTRIBUTES

- Provides fire resistance
- Possible reduction in insurance rates
- Seals out moisture/water
- Prevents insect attacks
- Provides UV damage resistance
- Stabilizes color
- Non-corrosive

SOME ATTRIBUTES CONT...

- Can be used indoors or outdoors
- Can apply by pressure impregnation or by submersion
- Can be applied by other easy and safe methods
- Prevents/greatly alleviates warping
- Prevents/greatly alleviates cracking
- Prevents/greatly alleviates shrinkage
- Prevents/greatly alleviates age discoloring
- Prevents mold and algae growth
- Prevents/greatly alleviates rot
- Product is safe, waterborne
- Greatly exceeds environmental standards
- Non-toxic following application and drying
- User friendly
- Odorless
- Non-flammable
- Environmentally friendly.

PRECAUTIONS

Protect everything in work area you don't wish to coat including plants, shrubs, etc. While still wet, AQURON® Endura-Wood™ can be easily removed, however, it is difficult to remove when dried. Clean splatters and drips immediately prior to drying. Application tools should be cleaned immediately after use.

Spray mist of AQURON® Endura-Wood™ is not hazardous to breathe. However, use of a facemask is recommended during application. Refer to MSDS.

AQURON® Endura-Wood™ has proven to be non-toxic, however, contact with skin and eyes should be avoided. If contact with skin occurs, wash with soap and water to remove. For accidental eye contact, immediately flush eyes with clean running water. Incidental spray droplets or splatters contacting lips or tongue is not health hazardous, but if accidentally ingested seek medical attention if nausea or vomiting develop.

AQURON® Endura-Wood™ may etch glass or dull shiny aluminum and can be difficult to remove from other surfaces once it dries. Do not apply when temperature is below 40°F. For more information read Material Safety Data Sheet.

PHYSICAL PROPERTIES

Physical	liquid
Color	cloudy-white (dries clear)
Odor	none
pH	11±
Specific gravity	1.10±
Boiling Point.....	212°F±
Freeze temperature.....	32°F±
Freeze harm	absolute
Flash point	none
Flammability.....	none
Shelf Life	one (1) year

PHYSICAL PROPERTIES CONT...

Hazardous Vapors	none
Clean-up solvent	mild soap & water
U.V. Resistance	excellent
Surface Bond Quality	excellent
Chloride Screen ability	excellent
VOC/VOS Compliant	Yes
Environmentally	neutral
Waste disposal method	non-hazardous
Paintable	Yes
Weight per gallon	10.2±
Coverage	150-250 sq. ft./gallon (depending on type of wood and method of application)

Installation Suggestions

AQURON® Endura-Wood™ can be applied to wood using the full cell pressure method, submerging the wood or surface applying. The most common and most effective method to treat wood with **AQURON® Endura-Wood™** is the full-cell pressure method. However, if pressure treating is not required, wood can also be treated by several other methods. Some of these methods are submerging the wood, using a pump-tank sprayer, brush, paint roller and/or dipping. Any of these application methods are acceptable, as long as **AQURON® Endura-Wood™** is applied in a uniform manner.

New wood: **AQURON® Endura-Wood™** should be applied to new wood, as soon as possible, to preserve its appearance and minimize water absorption and aesthetic damage.

Old wood: Complete repairs, if any. Should wood need cleaning for **AQURON® Endura-Wood™** penetration, or for aesthetic reasons, clean with a stiff bristled scrub brush and water to remove stains, etc. For a uniform appearance the entire surface of wood to be treated should be washed with bleach, since bleach will lighten old discolored wood. Rinse thoroughly to remove bleach water, then allow wood to dry for a minimum of two days prior to application. (For further information on bleaching process, contact the AQURON Technical Department.)

Cedar Shakes and Shingles: Cedar wood shakes may be waterproofed and preserved with **AQURON® Endura-Wood™**. Prior to treating old shakes, repair leaks, loose nails, bad flashings, etc.

Replace damaged shakes that are not to be salvaged. Also, prior to applying **AQURON® Endura-Wood™** remove dirt, leaves and debris. Allow shakes to dry for two days following rainfall. A low pressure sprayer provides best finish on shakes and is most effective for wood shake or shingle siding applications. Apply using one coat method.

Worn, Stained, Previously Coated Wood: The ability of **AQURON® Endura-Wood™** to penetrate wood is essential to usefully protect it. If there is any doubt whether **AQURON® Endura-Wood™** will penetrate or not, splash some water on the surface of the wood in question. Should surface quickly absorb the water making wood noticeably darker, then it will

profit from **AQURON® Endura-Wood™** protection. The surface may already be protected if the water beads instead of absorbing into wood. If exposed wood that has been treated with **AQURON® Endura-Wood™** later appears to have lost its effectiveness, the water splash technique can be used to determine whether wood is in need or not of a re-application of **AQURON® Endura-Wood™**. In exterior applications, depending on the severity of wood's exposure, **AQURON® Endura-Wood™** should remain effective for at least two years.

Power-washing Wood: Power-washing wood is another method of removing old sealers, stains, dirt and general discoloration. For optimum cleaning power wash with unit capable of 2000 psi operating pressure at approximately 4 gallons of water per minute using a 15-degree spray fan at 8 to 12 inches from surface (further if wood is badly deteriorated). Use only clean potable water. Care should be taken to prevent damage to wood.

Saw Cutting of non-pressure treated wood: Any wood that has not been treated by the pressure method and that is cut after being treated by other methods, should have **AQURON® Endura-Wood™** applied to the new saw-cut areas

Clean-Up & 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. Attention should be made to watches, eyeglasses, etc., as **AQURON® Endura-Wood™** can discolor aluminum if allowed to dry. Clean all equipment using water and mild soap. Never store spray equipment without cleaning. Always follow manufacturer's recommendations for storage between usages.

Shelf Life

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

Packaging

Aquron® Endura-Wood™ is available in 5 gallon/18.9 liters, 55 gallon/208.2 liter drums and 220 or 330 gallon totes.

Aquron® Endura-Wood™ 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 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