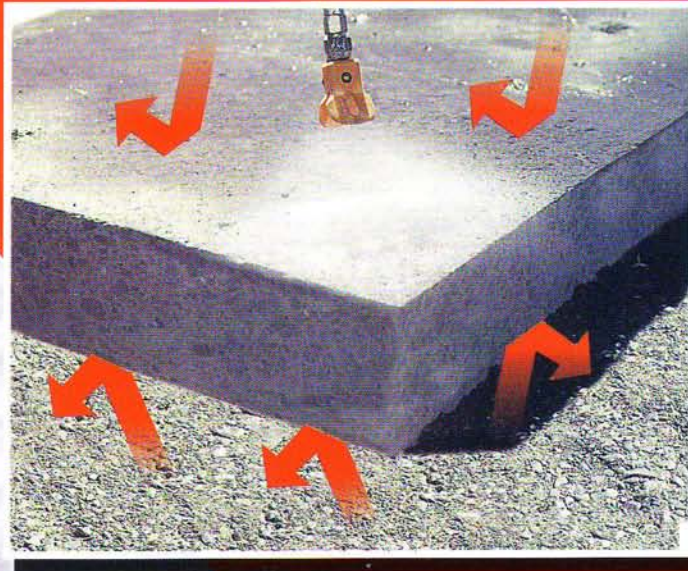




AQURON®

ultimate protection



- **AQURON 2000™ Series**
- **AQURON 3000™**
- **AQURON 7000™ System**
- **AQURON 1200™**
- **ECOCRETE 300™ System**
- **ENVIRONMENTAL PAVE SET**
- **AQURON 631™**

changing the way the world protects concrete



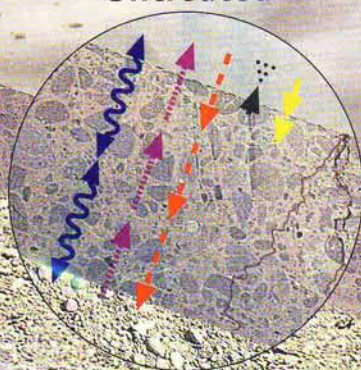
©AQURON Corporation®

AQURON® solutions have been developed following the perception that so many common concrete problems could be overcome by preventing water and corrosives entering and percolating through concrete. Research led to the discovery over 12 years ago of a radical catalyst working in colloidal silicates which gives **AQURON®** its unique action of being drawn deeply into the cementitious matrix utilising internal "free water" and alkaline components of the concrete to make an extensive impermeable hydrogel barrier inside the concrete. **AQURON®** produced hydrogel is an extension of the naturally occurring gel and polymer strands produced by hydration of cement which are the binders holding concrete together. **AQURON®** maximises hydration for increased concrete strength. As well as preventing ingress and migration of moisture and damaging corrosives, considerable concentrations already in existing concretes are neutralised and often purged to the surface by **AQURON®** treatment.

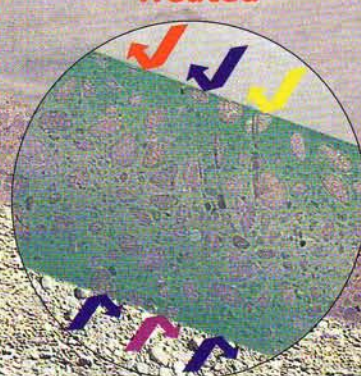
AQURON® not only lasts as long as the concrete but greatly extends its service life and performance.

- Water Proofs and Strengthens Concrete.
- Seals Concretes "from within". Prevents Entry and Migration of Moisture (both liquid and vapour), Corrosives, Salts, Acids, Alkalis, Effluents, Oils and Fuels etc.
- Seals Damp Walls and Floors "against Hydrostatic Pressure from weeping side".
- Eliminates the need of Damp Course Membranes, making Construction Easier, and Reducing Costs.
- Unsurpassed "Cure Assistance" in New Concretes, Curing and Sealing in One Easy Application.
- Surface Hardener improving Abrasion Resistance and Prevents Dusting.
- Neutralises and Purges Damaging Corrosives from Existing Concretes

Untreated

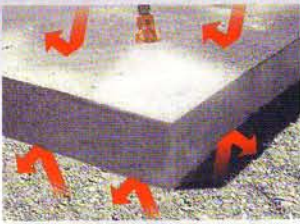


Treated



**Surface Hardened
Non-Dusting**

-  Moisture
-  Dusting
-  Chloride Ions & Corrosives
-  Gases & Vapours
-  Salts, Effluents & Acids
-  Cracking & Spalling



AQURON 2000™ Series

- **AQURON 2000™** Cure and Seal Solution
- **AQURON 2000™** Concrete Preservation and Moisture Proofing Solution

The **AQURON 2000™** series "mode of action" produces a Hydrogel that fills porosity up to a 150mm+ below the surface, providing a broad spectrum of enhanced concrete performance making **AQURON 2000™** the ideal for various "main functions" in a wide range of use such as;

AQURON 2000™ Curing and sealing new pours. Permanently incorporates internal free water maximising hydration and giving improved compressive and flexural strengths, hardened surface, resistance to cracking, antidusting, corrosion resistance, very early acceptance of adhesives and impermeable coatings etc. Eliminates need of dampproof underlayments for more convenient and cost efficient construction. **AQURON 2000™** can be applied with knapsack low pressure sprayers on freshly poured concrete.

AQURON 2000™ is equally effective on aged concretes for moisture and vapour proofing. Proven ideal where tanking failures and rising damp has rotted floor coverings and caused smelly "sick building syndrome". **AQURON 2000™** inhibits corrosion, carbonation and chemical attack, with tests often showing that hydration has been "restarted" with improved strengths as in new concretes. **AQURON 2000™** must be applied using airless type high pressure sprayer on existing concrete.

AQURON 2000™ is completely environmentally safe and has had outstanding results in Aquariums, potable water tanks etc.

On new pours damaged by unexpected rain and/or cold before setting **AQURON 2000™** has given excellent reduction of laitance and recovery of surface strength while still enhancing concrete performance as typical of **AQURON 2000™**.

AQURON 3000™ System

Performs similarly to **AQURON 2000™** but with formula adjusted to produce greater volumes of "gel structure" in more porous low density concretes such as concrete block, plasters, cellular concretes etc.

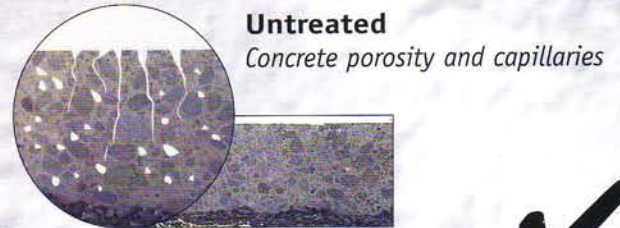


AQURON 7000™ System

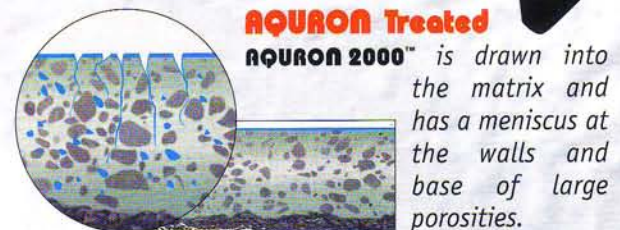
AQURON 7000™ System Chloride Reduction Solution applied ahead of **AQURON 2000™** Concrete Preservation Solution is guaranteed to deplete soluble chlorides in concrete and inhibit corrosion of imbedded reinforcing steel. Economical and excellent performance on concretes washed by seawater and coastal spray, or that have been attacked by salts, acids, effluents, corrosive gases, etc. Contaminants are neutralised or purged from concrete which is protected from further attack.

AQURON 7000™ System forms an impenetrable chemical resistant barrier from within to the outer surface of the cementitious matrix. Some aggregate material may still be exposed at the surface to strong corrosive attack and, in severe conditions, further surface protection maybe desirable using **AQURON 1200™**, **AQURON 631™** or specialist acid resistant coatings. These membranes by themselves often delaminate or are punctured but **AQURON 7000™ System** gives superior bonding and protection from internal attack.

Stop this Process with AQURON 7000™ System →



Untreated
Concrete porosity and capillaries

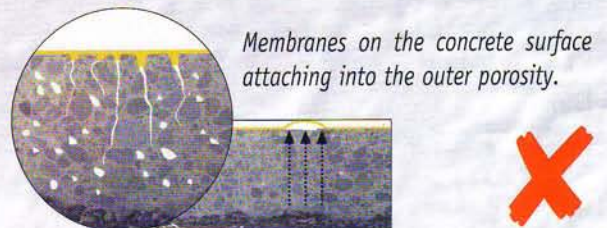


AQURON Treated
AQURON 2000™ is drawn into the matrix and has a meniscus at the walls and base of large porosities.

Other systems are NO MATCH to **AQURON 2000™**'s feature of extending the polymer chains within the concrete and creating an internal impermeable barrier. **AQURON** is superior to other systems which are only in upper porosity. Other systems are:



Thixotropic materials carried into capillaries to impede moisture flows.



Membranes on the concrete surface attaching into the outer porosity.





AQURON 1200™ Stone Preservation Treating

AQURON 1200™ is a clear solution designed for sealing and preserving brick, slate, natural stone, stucco, concrete and other masonry. **AQURON 1200™** is a water proofing repellent that provides a breathable type water barrier beneath and to the surface. **AQURON 1200™** helps keep surface clean while preserving the natural appearance of the masonry and concrete. **AQURON 1200™** retards or eliminates efflorescence and its application resists cracking and spalling of vertical and horizontal surfaces from successive freeze thaw cycles. Simply low pressure spray applied. **AQURON 1200™** is ideally

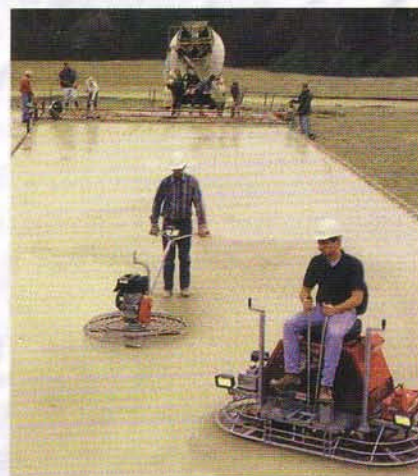
compatible with **AQURON 2000™** to fill "open" porosity above **AQURON 2000™** "within" the matrix and to protect aggregates and lime particles protruding from the surface and that could otherwise be vulnerable to chemical attack.

ECOCRETE 300™ Drying Shrinkage Compensation System

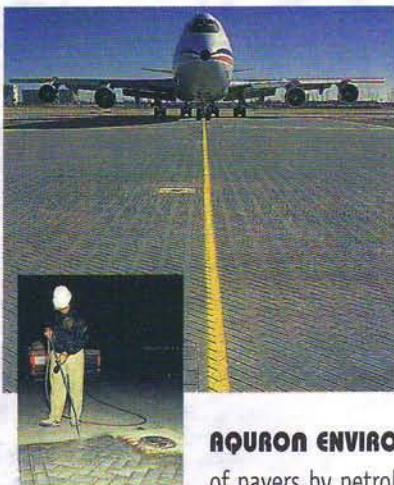
- **AQURON 300™** Mix Water Conditioner added "IN" Concrete
- **AQURON 2000™** Cure and Seal sprayed "ON" Concrete

ECOCRETE is a shrinkage compensating concrete. Preventing drying shrinkage (and consequently slab curl etc.) is a key to eliminating cracking. **ECOCRETE** is an outstandingly mobile and homogeneous and easy concrete to handle, making placing and finishing faster with no other admixtures required. **ECOCRETE** increases early and ultimate compressive, flexural and tensile strengths while improving density, impermeability, antidusting, and surface hardness.

Note: It is essential that **AQURON 300™** is mixed with bulk of water *BEFORE* adding to cement and aggregates. **AQURON 300™** increases cement particle saturation and with sufficient mixing improves cement utilisation adding more desirable hydration products and an extended cementitious structure. **ECOCRETE** system delivers unmatched quality and performance, easier construction while reducing costs.



ENVIRONMENTAL PAVE-SET



An essential aspect to the performance of interlocking concrete pavers is the stabilisation of the joint sand. Insuring the integrity of tightly compacted joint sand prevents the units from losing interlock and moving in isolation to adjacent pavers. When joints are tight and the sand in them is secure, the result is a homogeneous, flexible pavement that can be used for pedestrian traffic and even heavy industrial use such as airport taxiways. To secure the paver's joint sand the Aquron Corporation developed **AQURON's ENVIRONMENTAL PAVE-SET**. **ENVIRONMENTAL PAVE-SET** provides a clear, highly flexible protection for pavers and paver joint sand that not only totally waterproofs, but also protects against all petroleum materials such as oil, jet fuel, etc.

AQURON ENVIRONMENTAL PAVE-SET imparts an extraordinary reduction in staining of pavers by petroleum products thus insuring ease of cleaning.



AQURON 631™

Elastomeric coating material easily applied and trowelled into **AQURON 2000™** treated concrete "open" porosity to keep oils, fuels etc. above the surface and easily wiped off. Oil and acid resistant.

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Your Area Supplier: