

# AQUARON<sup>®</sup>

## ULTIMATE PROTECTION<sup>™</sup>

PROVEN SINCE 1984

**A RANGE OF  
ENVIRONMENTALLY SAFER  
TREATMENTS FOR  
CONCRETE & MASONRY**



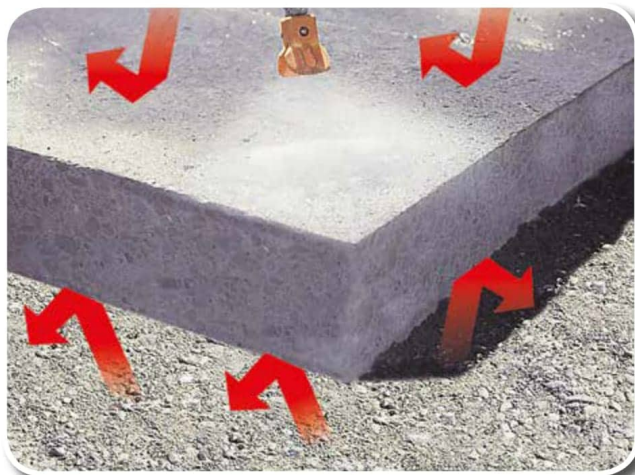
***Adding life value***  
CONCRETE PROTECTION

EXTENDING  
LONG TERM SERVICE  
LIFE OF  
NEW & EXISTING  
STRUCTURES  
SINCE 1985



# A RANGE OF ENVIRONMENTALLY SAFE TREATMENTS FOR CONCRETE & MASONRY

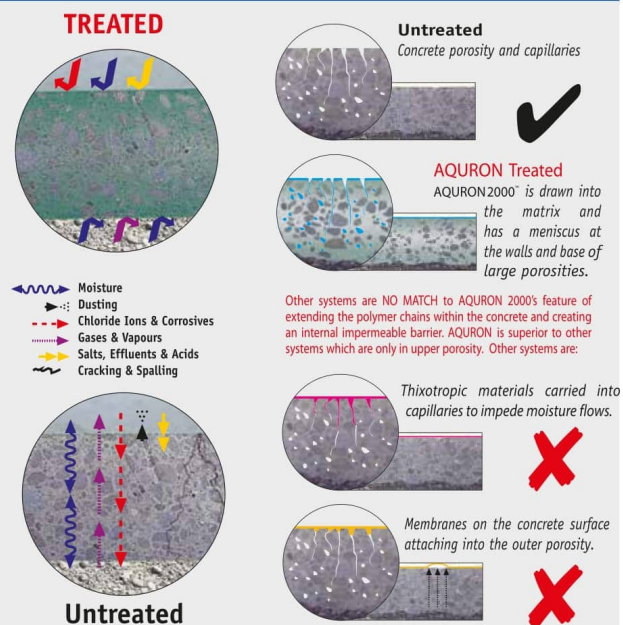
## AQURON IS THE ULTIMATE ENVIRONMENTALLY SAFE PROTECTION FOR CONCRETE, MASONRY & STONE



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 in 1984 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.

## AQURON IS INSIDE THE CONCRETE



## CURING, WATERPROOFING & DURABILITY ENHANCEMENT



### AQURON 2000™ CONCRETE PRESERVATION TREATMENT

The AQURON 2000™ series "mode of action" produces a Hydrogel that fills porosity up to 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. AQURON 2000™ provides "Flooring Protection" from moisture related delamination and allows very early acceptance of adhesives and impermeable coverings/coatings. Eliminates need of damp-proof underlayments for more convenient and cost efficient construction.

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™.

## CONCRETE FLOOR TREATMENTS



**AQURON SUPERGRIND SYSTEM**  
FOR DIAMOND GROUND FLOORS



**AQURON WAREHOUSE SYSTEM**  
FOR EXPOSED CONCRETE FLOORS



**AQURON 2000 TREATMENT**  
BENEATH FLOOR COVERINGS

## CHLORIDE REDUCTION & CORROSION PROTECTION FOR REINFORCED CONCRETE

### 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 water repellent.





# WATER REPELLENCY FOR PRECAST CONCRETE & MASONRY



## AQURON WATER REPELLENT™ SURFACE WATER REPELLENT

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.

# ADDITIVE TO INCREASE STRENGTH & REDUCE SHRINKAGE

## AQURON 300™ ADDITIVE FOR CONCRETE

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

AQURON 300™ is a shrinkage compensating concrete. Preventing drying shrinkage (and consequently slab curl etc.) is a key to eliminating cracking. AQURON 300™ is an outstandingly mobile and homogeneous and easy concrete to handle, making placing and finishing faster with no other admixtures required. AQURON 300™ 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. AQURON 300™ system delivers unmatched quality and performance, easier construction while reducing costs.



# SEALER & JOINT SAND STABILISER FOR PAVING

## AQURON ENVIRONMENTAL PAVE SET™ SEALER FOR PAVING STONES



AQURON ENVIRONMENTAL PAVE-SET produces a surface that is easy to clean and maintain. Covering the surface with a thin, durable coating AQURON™ ENVIRONMENTAL PAVE-SET imparts an extraordinary reduction in staining of pavers by petroleum products thus insuring ease of cleaning.

AQURON™ ENVIRONMENTAL PAVE-SET improves surface resistance to staining, acids, salt spray, freeze/thaw and surface abrasion. AQURON™ ENVIRONMENTAL PAVE-SET produces a low sheen appearance that highlights the pavings natural colourings. AQURON ENVIRONMENTAL PAVE-SET is designed for all foot and vehicle traffic paving installations.

AQURON ENVIRONMENTAL PAVE-SET stabilises and bonds joint sand to the pavers preventing rain, vehicle and jet blast erosion of paver joints. AQURON ENVIRONMENTAL PAVE-SET being a very liquid solution penetrates through the sand, setting up stabilisation to at least half the depth of the paver, forming a hinge effect that keeps joints tightly locked together and the sand secure, resulting in a homogenous, flexible pavement that can be used for pedestrian traffic and even heavy industrial uses such as airport taxiways, malls, carparks etc

For more information on our AQURON RANGE, call us today on