

AQUARON 1000

ULTIMATE CONCRETE TREATMENT

**SPRAY APPLIED INTERNAL CURING
HARDENING & ANTI-DUSTING
OF NEW & EXISTING
CONCRETE**



15 YEAR GUARANTEE

DURABILITY

ENHANCEMENT

FOR EXPOSED CONCRETE FLOORS

PROVEN WORLDWIDE SINCE 1984

AQURON 1000

ULTIMATE CONCRETE TREATMENT



When AQURON is applied to a freshly finished slab it transforms all internal moisture in a gel formation which results in maximised strength & impermeability



BULK RETAIL



COMMERCIAL



WAREHOUSES



CAR PARKS



FACTORIES



SUPERMARKETS

"The ultimate benefit of the AQURON 1000 is that it is permanently inside the concrete and does not require any maintenance other than regular cleaning and the more you use it the better it gets."

complies to moisture retention requirements of ASTM C309

WHY USE AQURON 1000 ULTIMATE CONCRETE TREATMENT?

AQURON 1000 is the proven ultimate **penetrating** concrete treatment for **extending the service life** of high performance concrete floors.

AQURON 1000 is the safer choice being waterborne and 100% VOC free, and is the benchmark offering the ultimate **internal curing, hardening and anti-dusting** in one application.

WHERE CAN I USE AQURON 1000?

AQURON 1000 is a spray applied **non-toxic** colloidal silicate solution that forms a calcium silicate gel within the porosities of concrete.

AQURON 1000 is being utilised for all types of concrete to provide **internal curing, surface hardening & anti-dusting** for concrete in one treatment.

AQURON 1000 is the treatment of choice for dense, burnished finish concrete floor slabs to help achieve 'light and even' appearance with long-term sheen

enhancement and an anti-dusting hardened surface. AQURON 1000 produces an **easy-to-clean** surface that develops a 'sheen' with use. Optional immediate 'sheen' enhancement is available with AQURON compatible polish. Treated surfaces are compatible with bond breakers and line marking paints.

AQURON 1000 **can be applied to existing surfaces** but does not offer the internal curing benefits. We recommend for best value apply AQURON 1000 as soon as the concrete is firm enough to walk on.

ULTIMATE **3 in 1** with AQURON 1000 applied as soon as the concrete is completed.

1

INTERNAL CURING

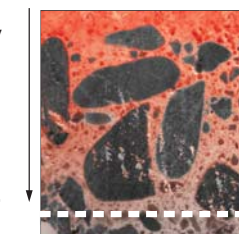
When AQURON is applied to freshly poured concrete as the curing agent, it provides even hydration throughout the matrix by transforming all 'free' moisture into a unique hydrogel formation. AQURON complies to moisture retention requirements of ASTM C309. AQURON curing maximises both flexural & compressive strengths, minimises shrinkage & slab curl and reduces risks of surface crazing and delaminating.

2

IMPROVED HARDENING

AQURON 1000 provides ultimate durability hardening and densifying the surface & internal concrete matrix as one. Due to its ultra deep penetrating ability, AQURON 1000 avoids the formation of a surface 'crust' which can potentially craze and delaminate during long term use.

AQURON®
UP TO 150mm FROM THE SURFACE



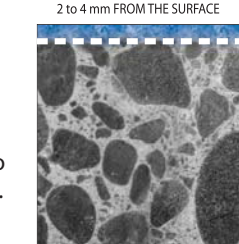
3

ANTI-DUSTING

By forming a hydrogel throughout the concrete, AQURON 1000 stops the access of carbon dioxide, which causes concrete dusting.

AQURON 1000 becomes an integral part of concrete, and provides permanent anti-dusting properties and resistance to surface damage from abrasion which is essential for exposed concrete floors that are subject to heavy wear from high volumes of foot or vehicle traffic.

VS SURFACE HARDENERS
2 to 4 mm FROM THE SURFACE

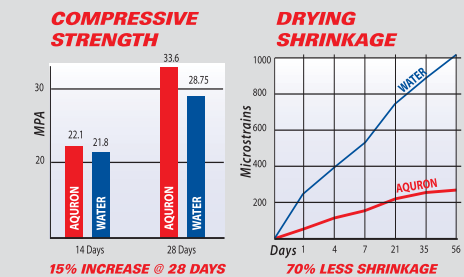


Proven to be equal to WATER CURING

AQURON 1000 INTERNAL CURING has been proven to be at least equal to water/polythene curing. Eliminating the cost and hassle of water curing and allows quicker access to the surface.

AQURON 1000 provides even hydration throughout the concrete matrix, maximising flexural & compressive strengths and significantly reducing shrinkage & slab curl. Cracking and delamination risks of the surface are also reduced by AQURON 1000 curing.

AQURON 1000 tested on concrete according to ASTM C309 CURING STANDARD, complies for moisture retention.



SAFER TO USE

AQURON 2000 is water borne and 100% VOC free, making this a more environmentally friendly and safer to use choice.

CASE STUDY:

"50,000m² distribution centre, shows the benefits of AQURON treatment after 5 years of use. See the worn surface of the untreated concrete compared to the adjacent AQURON treated concrete"



COMPLETED 2002



UNTREATED

TREATED

15 YEAR GUARANTEE

AQURON 1000

ULTIMATE CONCRETE TREATMENT



APPLY AS INTERNAL CURE & SEAL TO GET ULTIMATE BENEFITS

Once power trowelling has been completed to produce a dense, burnished finish, **AQURON 1000** is spray applied to the surface. **AQURON 1000** transforms the moisture within the slab into a gel which fills the porosities of the concrete matrix. **AQURON 1000** provides complete curing assistance, to produce a light coloured concrete with anti-dusting properties and a hardened surface which develops a 'sheen' with regular cleaning and use. **AQURON 1000** hardens both the surface and matrix of the concrete due to its ultra deep penetrating ability. This eliminates the formation of a surface crust which has a tendency to craze and delaminate.

NOTES

- If applied to concrete older than 24 hours, **AQURON 1000** does not offer the benefits of curing assistance.
- Slip resistance and 'slip co-efficient of friction' remains unchanged by **AQURON 1000** application. If increased slip coefficient is required we recommend applying **CRETEPOLISH MAX**. Be aware that oil, mud, and other similar materials on a smooth surface can be a potential hazard and good drainage and house keeping is therefore imperative.
- **AQURON 1000** is not formulated to be used to control moisture vapour emissions beneath floor coverings or coatings, or to withstand hydrostatic vapour/moisture pressure. In these situations use **AQURON 2000**.



APPLY TO EXISTING CONCRETE TO PROVIDE ULTIMATE DURABILITY

AQURON 1000 can be applied to concrete of any age, to achieve ultimate internal hardening durability. Prior to applying **AQURON 1000** the surface must be free of any previous coatings, tilt releases, or curing compounds. Low pressure spray applications is the most likely method, but some dense concrete floors may require **AQURON 1000** to be applied by high pressure airless sprayer to aid penetration.

APPLY CRETEPOLISH MAX FOR ULTIMATE SHEEN

CRETEPOLISH MAX is a new generation, water-based, metal cross-linked, synthetic polymer polish which provides immediate initial sheen enhancement and stain resistance for **AQURON** treated surfaces.

CRETEPOLISH MAX has an integral stain blocking additive which provides stain resistance against most common stain-causing agents.

Ultimate range of concrete treatments

AQURON
1000 | 3 in 1

INTERNAL CURING
HARDENING
ANTI-DUSTING

AQURON
2000 | 4 in 1

INTERNAL CURING
HARDENING
ANTI-DUSTING
WATERPROOFING

AQURON
7000 SYSTEM

WATERPROOFING
CORROSION PROTECTION

AQURON SPRAY ON CONCRETE TREATMENTS - Over 100,000,000 square metres applied worldwide



MARKHAM
adding life to concrete

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