



AQURON® 1000

CURING ASSISTANCE / SURFACE HARDENER

■ MANUFACTURERS

AQURON Corporation®, Rockwall, Texas, USA

■ PRODUCT DESCRIPTION

AQURON® 1000 is an aqueous borne silicate solution applied to the surface of curing concrete, to provide surface hardening, anti-dusting, and curing assistance. Complies to moisture retention requirements of ASTM C309.

■ BASIC USE

AQURON® 1000 is a ready-to-use solution recommended to be applied as a cure to concrete as soon as the concrete is firm enough to walk on after trowelling, but no later than 12 hours after the concrete has been poured. AQURON® 1000 incorporates the basic AQURON® Technology and provides a curing assistance by incorporating moisture to improve hydration, surface hardening, antidusting qualities, with the concrete surface "work hardening" over a period of time.

AQURON® 1000 is not formulated to be used to control moisture vapour emissions beneath floor covering or coatings, or to withstand hydrostatic vapour/moisture pressure (in these situations use AQURON® 2000). AQURON® 1000 is totally compatible with AQURON® 2000 for MOISTURE PROTECTION. AQURON® 1000 applied to "curing concrete", will allow AQURON® 2000 to be applied as MOISTURE PROTECTION at a later date (providing AQURON® Key Issues are followed).

■ 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 apply AQURON® 1000 when air and/or substrate temperatures are less than 37°F/2.8°C and will not decrease to less than 37°F/2.8°C for 6 hours.
- AQURON® 1000 may cause discolouring /whiting if applied to curing coloured concretes.

■ PHYSICAL PROPERTIES

Physical	liquid
Color	amber/clear
Odor.	none
Specific gravity.	1.11±
Flash point	none
pH.	12±
Toxicity.	none
Boiling point	230°F/110°C
Freeze temperature	32°F/0°C
Hazardous vapors	none
Weight per gallon.	9.18lbs/4.16kg
Environmentally	neutral
User	friendly
Shelf life	indefinite
Freeze harm.	none (allow to thaw completely)
Flammability	none
VOC/VOS content	none
Resistance to UV	excellent
Paintable.	yes
Pollutants	none
Waste disposal methods.	Non-hazardous
Resistance to abrasion.	excellent
Polymerization	excellent
Solids before applied	nil
Solids after applied	100%
R-Factor	increase up to 20

■ INSTALLATION

JOB CONDITIONS

AQURON® 1000 is formulated to be applied to concrete as soon as the concrete is firm enough to walk on after trowelling, and must be applied prior to 12 hours after concrete pour. AQURON® 1000 is a ready-to-use product. Do not dilute.

1. Apply AQURON® 1000 with a low pressure garden type sprayer/or battery powered walkbehind sprayer (do not apply with brush or roller).
2. Start application as soon as concrete has reached initial set or can be walked on without imprinting surface.
3. AQURON® 1000 should be applied at a rate of no less than 1 Litre to 7sq/m. Sufficient AQURON® 1000 must be applied to satisfy the absorbency of each particular concrete. AQURON® 1000 must be applied as an even coverage which will require 2 or more light passes to achieve coverage recommended.
4. Application must be sprayed approximately 200mm-300mm from the concrete surface. Make application using overlapping spray pattern with a fanning motion at the end of each pass.
5. Entire area being treated is to be covered in sufficient passes to maintain a wet surface without flooding. But do not allow AQURON® 1000 to puddle. If so disperse puddled area with broom 20 mins after application is completed (do not allow any puddles of AQURON® 1000 to dry, as it may be difficult to remove dry residue).
6. When temperatures are extremely hot, surface to which AQURON® 1000 is to be applied may need to be cooled with water following application. Surface cooling operation should only commence after surface sheen of AQURON® 1000 application has diminished.(ie: Approx 30 mins after final application)

■ CLEAN-UP & SAFETY

Caution must be taken as treated surfaces may be slippery until completely cured. No special clothing, breathing apparatus, goggles or gloves are necessary, but in enclosed areas it is advisable to wear an appropriate respirator to avoid possible irritation to breathing.

Attention should be made to watches, eyeglasses etc., as AQURON® 1000 can etch glass or discolor aluminum if allowed to dry.

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

STATEMENT OF HAZARDOUS NATURE

AQURON 1000 is not classified as hazardous , and consists of a colloidal silicate dispersed in an aqueous medium.

APPLICATION:

Some breathing discomfort may be experienced when operating in extremely confined areas due to normal air components becoming disproportioned by spray mist. This is not hazardous to health, and will be avoided through use of a particle mask.

FIRST AID:

SWALLOWED: Drink plenty of water, followed by citrus juice. Seek medical attention if nausea or vomiting occurs.

EYES: Flush with fresh water for 15 minutes, lifting the upper and lower eye lids occasionally. Seek medical attention should redness persist.

SKIN: Flood with fresh water, then wash with soap and water, and follow with an emollient moisturising cream.

INHALATION: leave the building where spraying is in progress and breathe fresh air until symptoms subside

ADVICE TO DOCTOR: Treat symptomatically

PRECAUTION IN USE

Keep containers closed when not in use. Do not spray on to glass or aluminium surfaces. If this happens wash off immediately to avoid marking these surfaces. Use personal protective equipment. (Goggles for overhead spraying, and a particle mask.)

SAFE HANDLING INFORMATION

Store away from strong acids. Avoid physical damage to plastic containers to prevent leakage. Spills should be flushed with water and may be washed into the drainage system, as there is no environmental hazard.

FIRE & EXPLOSION HAZARD

AQURON 1000 neither combustible or flammable

■ SHELF LIFE

Shelf life is indefinite provided containers are kept tightly sealed when not in use.

■ PACKAGING

AQURON® 1000 is available in 5 gallon/18.9 liters and 55 gallon/208.2 liters drum size. AQURON® 1000 is also available in bulk containers.

■ MAINTENANCE

Special maintenance of treated area is not required.

■ TECHNICAL SERVICES

Technical information and assistance may be obtained from your local dealer.

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 its Aquron® 1000 product. This warranty for the performance of Aquron® 1000 must be requested from the

Aquron Corporation and initiated prior to applying Aquron® 1000. 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.



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