



AQUALON NANO GUARD

HARDENER, DENSIFIER & HIGH GLOSS CONCRETE SEALER TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Aqualon Nano Guard is copolymer blend of high gloss sealer and high performance lithium silicate densifier. **Aqualon Nano Guard** is designed to give standard concrete surfaces beautiful sheen while providing improved resistance to stains and increased surface hardness. A concrete surface that has been treated with **Aqualon Nano Guard** will substantially increase resistance to surface abrasion, water damage, and attacks from chemicals. **Aqualon Nano Guard** enhances natural grey, colored, and stained concrete surfaces alike while eliminating the need for additional maintenance treatments such as floor wax or polish.

BENEFITS/FEATURES

- Contains high amounts of Lithium that combats surface ASR.
- Low odor and easy to use formulation.
- UV stable and breathable materials that will not peel, flake, discolor, or yellow.
- Provides superior sheen, and resistance to abrasion and scuffing.

RECOMMENDED APPLICATIONS

Aqualon Nano Guard is recommended for interior polished, semi-polished or conventional steel troweled concrete and cement terrazzo flooring.

TECHNICAL INFORMATION

Solids.....	N/A	Wet Appearance.....	Milky White
Drying Time.....	< 1 hour	Dry Appearance.....	Crystal Clear
Re-Coat Time.....	1 hour	VOC Content.....	< 50
Foot Traffic.....	1 hour	Blush Resistance.....	Excellent
Wheel Traffic.....	24 hours	Solvent Resistance.....	Excellent
Application Temp.....	55°F - 90°F	Concrete Adhesion.....	Excellent

**Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

SPECIFICATIONS/COMPLIANCES

Aqualon Nano Guard is VOC and OTC compliant in all areas of the United States and many foreign nations.

APPROXIMATE COVERAGE RATES

Application Surface	First Coat	Optional Second Coat
Interior Sealed Surfaces	1500-2000 ft ²	1500-2000 ft ²

*Coverage rates vary depending upon surface porosity and texture, and application method. Follow directions for best results.

SHELF LIFE

Aqualon Nano Guard has a shelf life of one year in it's original, sealed, unopened container.

PACKAGING

Aqualon Nano Guard is packaged and stocked in 1 gallon jugs and 5 gallon pails (Also available in 55 gallon drums)

INSTRUCTIONS FOR USE

AQUALON NANO GUARD

SURFACE PREPARATION: Always test surface to be treated prior to application. Concrete surface must be clean and free of all contaminants and water. If moisture is present or if the surface is not clean and free of all contaminants, the sealer may have white spots and have premature delamination and failure.

MIXING: Do not dilute when applying to conventional steel troweled concrete and cement terrazzo flooring. Dilute only up to 1:1 with fresh water when applying to polished and semi-polished surfaces.

APPLICATION: Lightly wet a clean microfiber mop pad with Aqualon Nano Guard. Wring out excess to ensure pad is only damp. Using an industrial quality pump-up sprayer fitted with a 0.5 gpm spray tip, apply a light spray over an area only from one control joint to another. Do not atomize. Maintaining a wet edge using the damp microfiber mop pad, immediately spread the Aqualon Nano Guard as far as possible to produce an even, thin coating. Aqualon Nano Guard dries quickly when applied per application specifications. Stop spreading as drying occurs and avoid overlapping. Allow to dry up to 60 minutes, or until tack free. Note, when applied correctly, no excess material should remain on the surface and the surface will look damp without free liquids.

Once dry, using a high quality burnishing pad specified for high gloss finishes, burnish Aqualon Nano Guard. Burnishing not only provides a smooth high gloss polished look, but also allows the treatment to bond and fuse with the concrete surface. This provides great product longevity and excellent durability. It is highly recommended to ensure that the temperature behind the burnisher reaches a minimum of 90 F or better. Repeat the application process up to three times for maximum gloss, burnishing in between coats.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. If applying by spray method, extended coverage rates may be achieved, but be aware that less material will be applied and performance expectations may be limited.

CLEAN-UP

Prior to product drying, use fresh water. Dispose of containers in accordance with local and federal regulations.

PRODUCT REMOVAL

Contact Kingdom Products or your Kingdom Products' distributor for product removal information.

PRECAUTIONS AND LIMITATIONS

- **Aqualon Nano Guard** will freeze. It is recommended to store in an area between 40 F and 85 F recommended.
- The use of high alkaline or acidic cleaners on the treated surface is not recommended and can be damaging.
- **Aqualon Nano Guard** is harmful if swallowed. Abide by recommended safety guidelines.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- Do not puddle or apply in thick coats. **Aqualon Nano Guard** should be applied only as explained above.
- **Aqualon Nano Guard** is a mildly alkaline solution. Use of appropriate safety equipment is recommended.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 570-489-6025.

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