



# QC Cemguard *(Water-based Sealer)*

## Product Information Bulletin 12.1008P

### QC CEMGUARD

QC CEMGUARD is a clear, penetrating water-based, impregnating sealer designed to waterproof, protect and preserve concrete, even in the most adverse environments. This impregnating sealer is also designed to increase abrasion resistance while hardening and stabilizing a surface that might otherwise be “dusty” or soft.

#### Uses and Benefits

■ A hydrolyzed, lithium quartz compound, QC CEMGUARD works by penetrating and reacting with mineral compounds and/or siliceous materials to create a cementing or gluing effect. The process prevents most types of efflorescence and results in a waterproofed, hardened surface. The appearance of the surface remains unaffected, with no film or coating to be worn away.

■ QC CEMGUARD creates a permanent, breathable, insoluble surface that can be used as a moisture protection agent prior to installation of topical applications or as a final coating.

■ QC CEMGUARD may be used on colored or natural concrete, brick, plaster, porous limestone, Mexican tile and gypsum products.

■ When sealing or finishing concrete, QC CEMGUARD is an excellent nontoxic impregnating sealer for the following surfaces:

- Colored concrete that has been uncoated or stripped
- Uncolored concrete that has been uncoated or stripped
- Interior high-traffic retail or public areas
- Interior concrete surfaces that will be regularly maintained and recoated
- Exterior concrete surfaces that will weather naturally
- Exterior concrete surfaces that will be regularly maintained and recoated
- Exposed aggregate

■ QC CEMGUARD can be applied once with no reapplication needed.

■ QC CEMGUARD is an excellent pretreatment for acrylic sealers, particularly in reducing the tendency of acrylic sealers to fog or peel as a result of subsurface moisture problems.

■ QC CEMGUARD is also an excellent pretreatment for QC PATINA STAIN\* because the product improves abrasion-resistance, conditions the surface, and helps to prevent moisture-related problems.

■ QC CEMGUARD is also an excellent pretreatment for QC THIN-PAVE NI\* applications in exterior situations where moisture and freeze/thaw conditions exist.

■ No mixing is required before applying this sealer.

■ QC CEMGUARD protects against food, oil and mild chemical stains.

#### Before Any Application

1. Protect any adjoining areas (windows, doors and fixtures, etc.) from overspray. If allowed to dry on metal or ceramic surfaces, abrasion may be required for removal. QC CEMGUARD will not corrode or damage these materials.

2. QC CEMGUARD should be applied on substrates that are above 50 °F and below 100 °F. Cooler temperatures cause product to penetrate at a slower rate.

3. QC CEMGUARD will not properly perform over existing curing agents, coatings, sealers, oils, paints, dirt, standing water, or any form of membrane. These types of materials must be removed before applying QC CEMGUARD. However, you should not use harsh chemicals to remove any of these materials. QC CONCRETE DEGREASER AND NEUTRALIZER\* is recommended to remove oils, QC INTERIOR FLOOR STRIP\* or QC SEAL STRIP\* to remove sealers, and QC CON-CLEAN\* to clean concrete surfaces. Sanding, bead-blasting or similar abrasive cleaning may be required.

4. Apply this product with an airless sprayer or a low-volume pump-up sprayer. Before use, make sure the selected sprayer is completely clean of solvents and foreign materials, including water. Do not use paint rollers to apply this product.

5. Before applying product to new or existing concrete, test QC CEMGUARD in an inconspicuous area for desired results. If in doubt about application, contact QC CONSTRUCTION PRODUCTS.

6. Whenever possible, QC CEMGUARD should be applied from start to finish of each project. If the application must be interrupted, clearly mark the ending point and begin from there when work resumes.

7. When used in conjunction with QC PATINA STAIN\*, QC CEMGUARD must be used prior to staining. Application of QC CEMGUARD over QC PATINA STAIN\* will result in a reaction, leaving a white, chalky residue that is extremely difficult to remove. To avoid reaction, apply QC CEMGUARD first, then QC PATINA STAIN\*.

#### Application to New Concrete

**Warning:** Do not apply QC CEMGUARD to fresh concrete. QC CEMGUARD is not a curing compound. Allow at least 14 days for concrete to cure or wait until the concrete is uniform in color. For optimum results, allow concrete to cure for 28 days or longer.

1. Using an airless sprayer or a low-volume pump-up sprayer, apply light, uniform coats of QC CEMGUARD to rejection. Normally, three to five light coats are necessary.

2. Do not apply more material than the surface will readily absorb. Do not allow the material to puddle or run. If this occurs, wipe with damp mop or clean rag. If a white, scaly or glossy residue is visible on the surface, you have overapplied QC CEMGUARD. Excess QC CEMGUARD left to dry on the surface may result in a residue that can be difficult to remove and can prevent bonding of other materials. Excess QC CEMGUARD must be removed prior to any topping application.

3. Apply consecutive coats as soon as the surface is dry to touch. Each successive coat will dry more slowly than the previous coat. Normally, three to five coats are needed. On more permeable surfaces, additional coats may be required.

**Note:** To properly harden and waterproof the surface, QC CEMGUARD must be applied to rejection.

#### Application to Existing or Old Concrete

1. Surface must be thoroughly cleaned, rinsed and allowed to dry. To clean surface, use one part QC CONCRETE DEGREASER AND NEUTRALIZER\* to eight parts water. On smooth surfaces, scrub in with automatic scrubber or use a low-speed buffer equipped with scrubbing pads or brushes. After scrubbing surface, absorb QC CONCRETE DEGREASER AND NEUTRALIZER\* and rinse with clean water. On rough surfaces or textured concrete, use the same equipment as with smooth surfaces but rinse with pressure-washer.

2. After cleaning and testing surface, follow application steps listed above in the “Application to New Concrete” section.

#### Limitations

■ QC CEMGUARD will not seal structural cracks, voids or holes in concrete.

■ QC CEMGUARD will protect concrete from dusting and soiling if applied properly, evenly, with sufficient coverage as outlined in the application directions, and to rejection.

■ Insufficient number of coats of QC CEMGUARD will result in incomplete hardening and waterproofing.

■ QC CEMGUARD will adhere to glazed materials such as metals, glass and ceramic tile. If QC CEMGUARD should get on these materials, abrasion may be required for removal. QC CEMGUARD is in no way harmful to these materials.

## Coverage Rates and Drying Times

*Coverage rates* may vary depending on the texture, porosity, age and condition of the concrete, the application method, and other local conditions. QC CEMGUARD is a true penetrating sealer. As such, coverage rates may fluctuate dramatically depending on the porosity of the surface. Very porous surfaces, such as porous brick and Mexican pavers, will yield a lower coverage rate.

- Material usage is 75 – 200 square feet per gallon.
- **Dense Surfaces, Set to Touch** – Dense surfaces will absorb sealer at a slower rate, and drying time may vary between 5 – 10 minutes. Dry means that the surface is dry to the touch and that the surface has returned to its original color.
- **Porous Surfaces, Set to Touch** – Porous surfaces may absorb sealer at a rapid rate, and drying time may vary between 1 – 10 minutes. As soon as the first coat is dry, repeat.

## Package Sizes

QC CEMGUARD is available in 1- and 5-gallon containers.

## Technical Data

*Please refer to the corresponding MSDS for hazard-related information.*

- Appearance and Odor . . . . . Water, clear, odorless
- Color . . . . . Clear
- Flash Point . . . . . None
- Other . . . . . Nontoxic; contains no volatile organic compounds or solvents
- Specific Gravity (H<sub>2</sub>O=1) . . . . . 1.0
- Boiling Point . . . . . 212 °F (100 °C)
- Melting Point . . . . . N/A
- Solubility in Water . . . . . Miscible

## Shelf Life and Storage

Sealed, unopened product is under warranty for one year. Do not allow product to freeze.

## Product Handling

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product.

## Warranty

QC CEMGUARD, a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact QC CONSTRUCTION PRODUCTS.

**\*PLEASE REFER TO THE QC WEBSITE FOR THE CORRESPONDING PRODUCT INFORMATION BULLETIN CONTAINING TECHNICAL AND APPLICATION DATA.**

[www.qcconstructionproducts.com](http://www.qcconstructionproducts.com)

For complete information on all QC products—including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact QC CONSTRUCTION PRODUCTS.

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