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Clear Guard® H₂O Wet Look Water-Based Sealer

Technical Data Sheet CGHW-0803

FOR PROFESSIONAL USE ONLY. Read all applicable and current product information for your project: Technical Data Sheet (TDS), Color Chart, Installation Guide, Safety Data Sheet (SDS). All information is available for download online at www.butterfieldcolor.com and at point of purchase.

MasterFormat™ Guide Specifications, and Butterfield Color® Architectural Details and Specifications are available for the specifier/designer. All information is available for download online at www.butterfieldcolor.com and at point of purchase.

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1. Description: Clear Guard® H₂O Wet Look Water-Based Sealer is a water-based, VOC compliant, non-yellowing, sealing compound for existing concrete and overlaid surfaces. The product is formulated for sealing uncolored concrete, integrally colored concrete, color hardened (shake-on) concrete, stained concrete, stamped or stenciled concrete, and cementitious overlays. It is recommended for use with Uni-Mix® Integral Concrete Colorant and Uni-Mix® Liquid Integral Concrete Colorant coloring systems, Perma-Cast® Shake-on Color Hardener, Perma-Cast® Sierra Stain™, Elements™ Transparent Concrete Stain, T1000™ Fine Overlay, and T1000™ Stampable Overlay. Clear Guard® H₂O Wet Look Water-Based Sealer is suitable for residential or commercial projects, interior floors, exterior hardscapes, and vertical surfaces.

As a sealer, Clear Guard® H₂O Wet Look Water-Based Sealer enhances or deepens the underlying substrate color with a moderate glossy clear film. It protects the surface from dirt and staining, and minimizes the affects of de-icing salts and exposure to gas or oil. It is well suited for application to cured concrete to prevent absorption or penetration of many fats, oils, greases, aliphatic solvents, salts, acids, and other chemicals. By preventing penetration of these compounds, Clear Guard® H₂O Wet Look Water-Based Sealer provides good economical protection for floors and hardscapes, thereby reducing maintenance costs.

Clear Guard® H₂O Wet Look Water-Based Sealer is an emulsified acrylic. It is a milky white liquid which dries to a clear glossy, UV resistant film. Clear Guard® H₂O Wet Look Water-Based Sealer complies with all VOC (<100 g/L) requirements and other Federal and State Air Quality Regulations. The longevity of Clear Guard® H₂O Wet Look Water-Based Sealer depends upon the dried film thickness, exposure, and use conditions. Clear sealers will scratch and scuff, and will require maintenance. Treated surfaces are readily re-coated after thorough cleaning.

Clear Guard® H₂O Wet Look Water-Based Sealer is a low VOC, environmentally

sound sealing material. It may contribute to earning LEED® credits for indoor environmental quality.

2. Limitations: Do not use Clear Guard® H₂O Wet Look Water-Based Sealer on concrete slabs with inadequately drained sub-grade and/or surfaces subject to hydrostatic water pressures. Do not use in swimming pools, fountains or ponds. Do not use on surfaces that will have direct food contact. Do not use for re-coating or in conjunction with other floor sealers, treatments, bond breakers, or adhesives without prior testing to determine compatibility and adhesion. Do not use to fill or repair cracks in the substrate.

Do not use Clear Guard® H₂O Wet Look Water-Based Sealer if it has been frozen. Clear Guard® H₂O Wet Look Water-Based Sealer must dry completely before it is subjected to temperatures below 45°F (7°C) or moisture from any source. Do not over-apply material or allow collecting in joints, texture imprints or other surface impressions. Excess material may whiten permanently and loose adhesion. Applications of solvents such as xylene or solvent-based sealers will soften and damage Clear Guard® H₂O Wet Look Water-Based Sealer.

Warning: Treated surfaces may be slippery during application prior to drying, and when wet with water or liquids after drying. Concrete should be textured sufficiently to eliminate potential slipping hazards. Interior floors may be maintained with a slip resistant wax. Test and confirm that the treated surface is adequately slip resistant prior to opening installation to any traffic.

3. Chemical Resistance: A test application should be made on the job site concrete to determine the chemical and stain resistance of Clear Guard® H₂O Wet Look Water-Based Sealer. Properly applied it provides 24-hour spot resistance to the following chemicals with little, if any, coating effect:

<i>deicing salts</i>	<i>foods</i>
<i>fruit juices</i>	<i>vegetable oil</i>
<i>calcium chloride</i>	<i>sodium chloride</i>

4. Packaging:

Container	Content
Pail	1 US gallon (03.8 L)
Pail	5 US gallons (19.0 L)
Drum	55 US gallons (208 L)

4.1 SHELF LIFE: 1 year, when stored in original, unopened containers, in dry storage, between 60°-80°F. Do not use material that has been frozen.

5. Coverage: Coverage rates vary with surface texture and porosity, ambient and surface temperatures, method of application. The following coverage rates are approximate for broom finish concrete surfaces:

Sealing: 200-400 sq. ft./gal. (4.9-9.8 m²/L)

6. Mixing: Hand mix Clear Guard® H₂O Wet Look Water-Based Sealer before using. Do not dilute or mix with any other liquid or chemical.

7. Application: Clear Guard® H₂O Wet Look Water-Based Sealer may be applied using a roller, hand pump sprayer, or an airless sprayer. If using a roller, a non-shed roller with 1/4"-1/2" nap length is recommended. The nap length of the roller will depend on the surface porosity and texture of the concrete. Best results are obtained when product is applied at substrate temperatures in excess of 60°F (15°C). Do not apply at or below 55°F (13°C) or when such temperatures are expected within 12 hours following application. Control interior environment to prevent condensation from forming on the surface prior to sealing and before the sealer has become tack free. Do not apply if there are concerns with the quality of the color or finish of the concrete, until those concerns are adequately addressed.

When using a sprayer, apply material with a fan pattern nozzle. Spray equipment should be clean, dry, and in good working condition. Hand pump sprayers must be capable of delivering moderately viscous liquids. Maintain a wet edge and avoid excessive overlaps of material. Avoid excessive build-up in the depressed textures and grout joints of stamped or stenciled concrete, and hand tooled or saw cut joints. Thicker

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applications may lead to discoloration and diminished sealer performance. Wipe up or brush out excessive material before the film becomes tacky. Care must be taken to protect adjacent areas from over spray.

After the initial seal coat application, if added protection is required, apply an additional coat 3-4 hours after the seal coat has dried. Longer drying times will be necessary at low temperatures or high humidity. Application of additional material before the previous coat has dried may cause blushing or adhesion failure.

7.1. EXISTING CONCRETE AND OVERLAYS: Adequately remove accumulations of grease, oil residue, incompatible curing, or sealing compound residue and other substances that would diminish adhesion. Wash surfaces thoroughly. Allow surface and joints to adequately dry before applying Clear Guard® H₂O Wet Look Water-Based Sealer. Hard troweled interior concrete floors will require mechanical preparation or cleaning with CHO™ Cleaner to ensure the penetration and adhesion. Surfaces that resist penetration and immediate darkening with water are an indication that surface preparation is required. Very rough, porous and deeply textured surfaces may require multiple thin applications to ensure the formation of a protective film, without pinholes or holidays.

7.2 NEW T1000™ FINE OVERLAY AND T1000™ STAMPABLE OVERLAY: Interior floors and exterior hardscapes that have been resurfaced should cure 12-24 hours after installation at 70° (21°C) before applying Clear Guard® H₂O Wet Look Water-Based Sealer.

Before application of sealer the Moisture Vapor Emission Rate (MVER) of the concrete or cementitious topping must be measured and be less than 4 pounds per 1000 square feet per 24 hours (1.8 kg/92.9 m²/24 hours). Promptly clean application equipment with soap and water following use. Handle and dispose of cleaning residue properly.

8. Dry Time: Drying times will vary depending upon wet film thickness, surface texture and porosity, ambient and surface temperatures, and humidity.

At 70°F, approximate dry times:	
Tack free:	45 minutes
Light foot traffic:	24 hours
Heavy foot traffic:	72 hours
Automobile traffic:	72 hours

9. Maintenance: Periodically inspect sealed surfaces for wear or damage. All concrete sealing compounds will eventually exhibit the affects of weathering and traffic. For maximum coating life and performance, wipe up all chemical solvent or petroleum spills as soon as possible. Remove abrasive debris by sweeping or vacuuming. Do not drag drop or place sharp edges on sealed surfaces. Periodic washings with mild detergents will help maintain surface luster. Do not use solvent or acid based cleaning materials for general cleaning. Hot car tires or turning tires while car is stationary may damage the sealer. Surfaces that will be subjected to automobile traffic, de-icing salts or chemical exposure, minimally must receive two applications of Clear Guard® H₂O Wet Look Water-Based Sealer without pinholes or holidays.

Prior to re-coating, the surface and joints must be clean, dry, free from cleaning product residue, other contamination, or loose materials, which will affect the adhesion of Clear Guard® H₂O Wet Look Water-Based Sealer.

9.1. INTERIOR FLOORS: Regularly clean by dry and wet mopping. Periodically machine scrub, rinse, and wet vacuum the surface. Apply a maintenance wax or slip resistant wax as directed by the wax manufacturer. This type of periodic maintenance will greatly enhance the appearance of the floor and minimize the need to strip and/or reapply the sealer.

10. Quality Control: Cast a job site sample at least 21 days prior to the installation for approval of color and finish. Utilize all materials, tools, and techniques from the actual job in the mock-up. Consis-

tent batching, pouring, finishing, curing, sealing, and preparation techniques, will ensure the uniformity of architectural concrete. Verify adequate wet and dry slip resistance. Verify maintenance requirements. Site visits by Butterfield Color, Inc. Personnel are for making technical recommendations only and not for supervising or providing quality control.

WARNING: MAY CAUSE EYE, SKIN, AND RESPIRATORY IRRITATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. WEAR AN ORGANIC RESPIRATOR, EYE PROTECTION, AND PROTECTIVE CLOTHING DURING APPLICATION. COVER PLANT MATERIAL. ENSURE ADEQUATE VENTILATION DURING AND AFTER APPLICATION. PREVENT FUMES FROM ENTERING THE HVAC SYSTEM. IN CASE OF SPILLAGE, ABSORB AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE USE, READ THE SAFETY DATA SHEET (SDS). ALL INFORMATION IS AVAILABLE FOR DOWNLOAD ONLINE AT WWW.BUTTERFIELDCOLOR.COM AND AT POINT OF PURCHASE.

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