



Nelsonite
POOL AND DECK COATING

PRODUCT PROFILE SHEET

CLEARGARD CLEAR EPOXY Waterproofing Concrete & Masonry Sealer

Description: CLEARGARD CLEAR EPOXY Waterproofing Concrete & Masonry Sealer is a two-part waterborne epoxy topcoat sealer that is chemical-resistant and dries to a clear, hard and durable gloss finish that insures protection and a longer service life to the coated surface. CLEARGARD CLEAR EPOXY provides a waterproof and dustproof surface, and protects the surface from efflorescence, water absorption, spalling and staining. Dust, dirt and grime are cleaned quickly and easily from surfaces treated with this product. The final gloss level will vary according to the surface porosity and number of coats applied.

Typical Uses: As a gloss sealer to protect painted and unpainted concrete and masonry surfaces. Great for natural look concrete waterslides and water features and for interior decks where a clear high gloss is desired.

For Use On: Painted or unpainted concrete and masonry surfaces. Will provide a wet look to bare concrete. CLEARGARD CLEAR EPOXY will chalk in the direct sun. This product is the best for interior concrete surfaces or where the surface is submerged in water or where water runs over it intermediately such as concrete waterslides.

Not For Use On: Exterior surfaces, exposed to direct sunlight, wood, steel or metal surfaces.

TECHNICAL DATA (Combined)

Product Number:	47-424 (Part A), 47-499 (Part B)
Colors:	Clear
Viscosity:	60 - 65 Krebs Units @ 77°F
Solids by Weight:	44%
Solids by Volume:	40%
Actual V.O.C. (Volatile Organic Compounds):	Less than 100 grams per liter (0.83 lbs/gal) (combined components)
Solvent(s) Used:	Glycol Ethers
Finish:	High Gloss
Flash Point:	> 200°F/TCC
Dry-To-Touch @ 77°F:	2 hours
Dry-To-Handle @ 77°F:	2 hours
Recoat time @ 77°F:	Within 24 hours
Coverage (Theoretical):	650 square feet per gallon

Please refer to label for cautions and warnings pertaining to this product.

CLEARGARD CLEAR EPOXY

Waterproofing Concrete & Masonry Sealer

TEMPERATURE LIMITATIONS: This product is intended for use in temperatures ranging between 60°F and 80°F. Do not use this product if temperatures are below 60°F or above 80°F or when relative humidity levels are above 80%. Do not apply to a surface that is in direct sunlight. This coating must be completely dry before it is exposed to direct sunlight.

SURFACE PREPARATION: UNPAINTED SURFACES: The extent of surface preparation needed will vary with the condition of the surface to be sealed. A clean and "open" surface is required. On concrete surfaces and masonry surfaces containing efflorescence (white salt crystals), an acid etch is recommended. Slick, hard and dense concrete must be acid etched. This procedure provides a required anchor for the coating to the concrete, producing proper adhesion and performance of the clear coat. Clean and prepare the surface to be painted as instructed in Nelsonite's Concrete Cleaning and Painting Guide and the CLEARGARD CLEAR EPOXY Product Profile or visit www.nelsonitepoolanddeck.com

TESTING THE SURFACE: IMPORTANT! After the surface has been prepared, check its porosity or "openness." Walk the area to be sealed and drop several drops of water onto the surface in different areas of the treated surface. Observe if the water "beads up" or is absorbed into the surface. If the water beads up on the surface, it is not "open" enough for the sealer to work effectively. Repeat the cleaning or acid etch procedure again until the tested surface absorbs the water droplets.

PATCHING PROCEDURES: Thin hairline cracks will be filled by the coating itself. Larger cracks, craters and holes need to be filled with a concrete patching material. Do not use epoxy patching compounds, since CLEARGARD CLEAR EPOXY cannot adhere to epoxy patching compounds.

MIXING: CLEARGARD CLEAR EPOXY is a two-part product. The mixing ratio is 4:1 - 4 parts of Part A, gallon container, to 1 Part B, quart container. Pour Part A and Part B into a separate and larger container. (When painting large surfaces, mix 2 or 3 gallon kits at a time in a 5-gallon pail. Use a roller grid to roll off the excess paint). If necessary, use a rubber spatula to remove the contents of both cans. Stir the combined parts thoroughly for 3 to 4 minutes. **BE CAREFUL NOT TO MIX AIR BUBBLES INTO THE PRODUCT.** After mixing, wait 10 minutes for the chemical reaction to take place before application of the product. Stir well again before use. The use life of a mixed 1-gallon unit is 2 hours at 72°F. The use life is shortened at higher temperatures (above 77°F) and/or in larger quantities. When the end of the use life has been reached, the product will thicken; do not apply after this time because the product will not cure. Do not mix more material than can be used in one hour.

THINNING: If thinning is necessary, use water. When sealing an unpainted surface, always thin the first coat 10 - 15% with water, or at the rate of 1 pint of water to 1 gallon of CLEARGARD CLEAR EPOXY.

SLIP RESISTANCE PROCEDURES: WARNING! Water and other liquids on a painted surface can make the surface slippery and dangerous. Use either Nelsonite Add-A-Grip or 60-mesh white silica sand to provide slip-resistance to the painted surface, particularly in high pedestrian traffic areas. When rolling, add the texturing agent on the final coat to the paint itself at the rate of 2 pounds or more per gallon. When spraying, spread the texturing agent on the first coat by hand before it dries and then overcoat.

APPLICATION: CLEARGARD CLEAR EPOXY is for use over compatible surfaces which have been properly prepared, patched and cleaned. The surface must be completely dry before the application of this product. Before coating allow 2 - 3 days for the surface to dry after completing the surface preparation and cleaning procedures. Provide ample ventilation when applying to an indoor surface.

- New concrete should age 30 days before the application of CLEARGARD CLEAR EPOXY. On new concrete that has aged 30 days or old concrete, the surface must be structurally sound and free of all grease, wax, oil, dirt, mildew or other foreign matter. Dirty surfaces should be cleaned with Nelsonite's PREP A Cleaning Solution.
- On unpainted concrete surfaces, the surface to be coated may be damp, but not wet, at time of application of CLEARGARD CLEAR EPOXY.
- CLEARGARD CLEAR EPOXY can be applied by roller, spray, lambs wool applicator, or in small areas, by brush. When rolling use a premium roller with 1/4" nap. It is best to use a 5-gallon plastic pail and a roller grid when rolling.
- If applying over a painted surface, only 1 coat is recommended. 2 coats are required on an unpainted surface. Apply the first coat in a uniform and continuous manner, without pinholes or gaps. The second coat should be applied 2 hours after the first coat. The second coat must be applied within 24 hours of the application of the first coat for effective intercoat adhesion. If the first coat was applied in an up-and-down direction, apply the second coat left-to-right. Always criss-cross your coating application.

CLEAN-UP: Clean up with soap and water.

SHELF LIFE: This product has a shelf life of approximately 2 years unopened container from the date of manufacture stamped on the lid of this can. The first two years digit indicates the year, and the next two digits the month of manufacture.

SPECIAL PRECAUTION: KEEP FROM FREEZING!

Refer to product label and Material Safety Data Sheet (MSDS) for cautions and warnings pertaining to this product.

Limited Warranty:

Due to the fact that the manufacturer has no control over either surface preparation or application, warranty is limited to replacement of product if it is shown to be defective. Such warranty does not include the cost of labor or consequential damages.

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