



## PRODUCT PROFILE SHEET

# POOLPOXY II

### DESCRIPTION:

A two-component, solventbase epoxy topcoat that forms an extremely hard, durable and high-gloss tile-like finish. This high performance, underwater epoxy coating is formulated for use on a wide range of surfaces including concrete, plaster (marcite), fiberglass and surfaces previously painted with an epoxy coating. **POOLPOXY II** requires the use of a primer on unpainted surfaces but can be applied over existing epoxy coatings in good condition. Provides 5 to 7 years of service life.

### FOR USE ON:

- Aluminum, concrete, fiberglass, plaster (marcite), steel, pools previously coated with an epoxy coating and spas that are fiberglass and plaster (marcite). Excellent for diving boards and residential slides

NOTE: Requires use of epoxy primer on uncoated surfaces

When coating over chlorinated rubber coating you must first prime with Nelsonite Hi-Bild Primer

### NOT FOR USE ON:

- Surfaces previously painted with vinyl or waterborne acrylic pool coatings

**Product Numbers:** 44-400 Series –

- Part A:** 44-400 White  
44-401 Black  
44-402 Bahama Blue  
44-404 Lake Blue

**Part B:** 44-499 Catalyst

TECHNICAL DATA (Combined Components)	
Product Number(s):	44-400 Series (Part A); 44-499 (Part B Catalyst)
Color(s):	Various
Viscosity:	85–95 Kneb Units @ 77°F
% Solids by Weight:	79–80
% Solids by Volume:	60–62
Actual V.O.C. (Volatile Organic Compounds):	340 grams per liter or less, 2.8 lbs. per gallon
Solvent(s) Used:	Alcohol, Ketone, Ester and Aromatic Hydrocarbons
Finish:	High gloss
Flash Point:	23°F TCC
Dry-to-Touch @ 77°F:	15–20 minutes
Dry-to-Handle @ 77°F:	24 hours
Recoat Time @ 77°F:	24 hours
Curing Time @ 77°F:	3–6 days
Coverage (Theoretical):	Approximately 275 sq. ft. per gallon @ 1 mil DFT
Shelf Life:	2 years from date of manufacture when stored at temperatures not to exceed 90°F
Service Life:	5–7 years

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

## POOLPOXY II

### DIRECTIONS FOR USE

**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, above 80°F, or when relative humidity levels are above 80%. Do not apply to a surface that is in direct sunlight. At higher temperatures (above 75°F), especially when using the dark colors, apply POOLPOXY II in the late afternoon. This coating must be completely dry before it is exposed to direct sunlight.

**SURFACE PREPARATION:** Clean and prepare the surface to be painted as instructed in Nelsonite's website under "How to Nelsonite Your Pool." For additional information, refer to Nelsonite Informational Bulletins for your specific surface coatings procedures. You may also download "How to Nelsonite Your Pool" at [www.nelsonitepoolanddeck.com/nelsonite\\_your\\_pool.html](http://www.nelsonitepoolanddeck.com/nelsonite_your_pool.html)

**PATCHING PROCEDURES:** Thin hairline cracks will be filled by the primer or coating itself. Larger cracks, craters and holes need to be filled with either an epoxy patching compound or a hydraulic cement with an acrylic bonding agent. Patching should be done after the surface cleaning has been completed. All cement-based patches must be acid washed with a solution of 1 part water and 1 part muriatic acid when dry and before painting with POOLPOXY II. **IMPORTANT!** Sand lightly in straight lines with 100 grit sandpaper before painting.

**IMPORTANT!** To be used only with POOLPOXY II Part B. Before mixing Part A with Part B, read all instructions, cautions and warnings on BOTH labels. The mixed product will have the hazards of BOTH components. Observe all applicable precautions.

**MIXING:** POOLPOXY II is a two-part product. The mixing ratio is 3:1 – 3 parts of Part A, gallon container, to 1 part of Part B, quart container. Pour Part A and Part B into a separate gallon 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, preferably with an electric drill with a paint mixing attachment. After mixing, wait 20 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 4 hours at 72°F. The use life is shortened at higher temperatures (above 75°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:** Check your local air quality regulations for VOC limits for the category of Swimming Pool Coatings. Do not exceed local VOC requirements. If thinning is necessary, use Nelsonite Solvent 150 (for use outside California), or Solvent 175 (in California and VOC-regulated areas). The addition of Nelsonite Solvent 175 will not increase the VOC of the thinned product.

**SLIP RESISTANCE PROCEDURES:** WARNING! Pool steps and shallow areas will be slippery after painting. It is necessary to make these areas slip-resistant by using either Nelsonite ADD-A-GRIP or 60-mesh white silica sand. Sprinkle the texturing agent amply on the first coat while

still wet. Before the application of the second coat, sweep off any excess or loose texturing agent. For public access pools, broadcast the texturing agent on 100% of the area to be made slip-resistant.

**APPLICATION:** POOLPOXY II is for use over compatible surfaces previously painted with an epoxy coating that have been properly prepared, patched and cleaned or primed. Provide ample ventilation when applying to indoor pools.

- POOLPOXY II can be applied by brush, roller or spray. When rolling, use a premium roller with ½" nap and a solvent-resistant core.
- This product should be applied in thin coats. Apply the first coat in a uniform and continuous manner, without pinholes or gaps. For best results, apply 2 coats. The wet film thickness when applied should range between 4 to 6 mils per coat. Avoid applying thick coats. An excessively thick coat can cause blistering. If minor blistering occurs, scrape or sand the blistered area, clean the surface with a rag soaked in Nelsonite Solvent 150 and then repaint. *Do not exceed local district VOC requirements for surface cleaning solvents.*
- The second coat should be applied 24 hours after the first coat. 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.
- All topcoating **MUST** occur within a 24 to 72-hour period. If more than 72 hours elapse, the surface must be lightly sanded in a straight line to increase intercoat adhesion.
- To insure color uniformity on the final coat, use paint from the same batch (stamped on lid) or intermix paint from different batches.

**CURING TIME @ 77°F:** 3 to 6 days.

**CLEAN-UP:** Check your local air quality regulations for VOC limits for solvent usage for the cleaning of coatings application equipment cleaning. Do not exceed local VOC requirements. Clean coating application equipment with Nelsonite Solvent 150 (for use outside California), or Solvent 175 (in California and VOC-regulated areas). Nelsonite Solvent 175 is compliant with VOC limits for solvent usage for the cleaning of coatings application equipment.

**MAINTENANCE:** Maintain your pool as instructed on Nelsonite website under Technical Bulletin #100 "Maintenance of a Coated Pool" at [www.nelsonitepoolanddeck.com](http://www.nelsonitepoolanddeck.com)

**SHELF LIFE:** Shelf life is approximately 2 years in unopened container from the date of manufacture stamped on the lid of the can. The first two digits indicate the year, and the next two digits the month of manufacture.

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

**LIMITED WARRANTY:** Nelsonite certifies that all Nelsonite products delivered to the customer in new, sealed containers will meet all pertinent quality standards presented in Nelsonite published literature. Since matters of surface preparation, application procedures and other local factors are beyond its control, Nelsonite assumes no liability for coating failure other than to supply replacement material for a Nelsonite product shown to be defective. If you have questions, visit [www.nelsonitepoolanddeck.com](http://www.nelsonitepoolanddeck.com) or call Nelsonite. There is no other warranty, either expressed or implied.

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