



Nelsonite
POOL AND DECK COATING

PRODUCT PROFILE SHEET

POOLPOXY HI-BILD

Description:

A two-component, solventbase, high solids epoxy topcoat that can be applied in a single coat at wet film thickness levels from 10 - 12 mils. This high performance, underwater epoxy coating is formulated for use on wide range of surfaces including concrete, plaster (marcite), fiberglass and surfaces previously painted with an epoxy coating.

For Use On:

- Pools
- Spas
- Diving board
- Residential and commercial water park slides

Not For Use On:

- Surfaces previously painted with vinyl, waterborne acrylic or elastomeric urethane coatings
- When coating over chlorinated rubber coating you must first primer with Nelsonite Hi-Bild Primer

TECHNICAL DATA (Combined)

Product Number:	45-400, 45-402, 45-404, 45-406, 45-408 (Part A); 45-499 (Part B)
Colors:	White, Bahama Blue, Lake Blue, Vanishing Edge Gray, Baja Beige
Viscosity:	115 - 124 Krb Units @ 77°F
Solids by Weight:	82% - 86%
Solids by Volume:	73% - 77%
Actual V.O.C. (Volatile Organic Compounds):	250 grams per liter or less (2.08 lbs./gal.)
Solvent(s) Used:	Ketone/Alcohol/Esters/Aromatic Hydrocarbons
Finish:	Gloss
Flash Point:	23°F/TCC
Dry-To-Touch @ 77°F:	15 - 60 minutes
Dry-To-Handle @ 77°F:	24 hours
Recoat time @ 77°F:	24 hours
Coverage:	Approximately 150 square feet per gallon

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

POOLPOXY HI-BILD

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 HI-BILD in the late afternoon or evening. 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 on 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

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 muriatic acid and 1 part water when dry and before painting with POOLPOXY HI-BILD. **IMPORTANT!** Sand lightly in straight lines with 100 grit sandpaper before painting.

IMPORTANT! To be used only with POOLPOXY HI-BILD 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 HI-BILD 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 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, preferably with an electric drill with a paint mixing attachment. After mixing, the material is ready to 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 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 1 hour.

THINNING: If thinning is necessary, use Nelsonite Solvent 150.

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 HI-BILD 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 HI-BILD can be applied by brush or roller. (The application of HI-BILD products by spray is not recommended). When rolling, use a premium roller with 1/2" nap and a solvent-resistant core.
- This product can be applied in 1 thick coat at the rate of 10 - 12 mils wet film thickness. Use a wet film thickness gauge to measure the amount of material painted on the surface. If the product is applied too thick, it may not cure properly and may blister once the water is in the pool.
- Racing lines and targets **MUST** be applied within 24 - 48 hours of application of POOLPOXY HI-BILD, or the surface to be coated must be sanded lightly to aid 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.

CLEAN-UP: Use Nelsonite Solvent 150.

MAINTENANCE: Maintain your pool as instructed on Nelsonite website under Technical Bulletin #100 "Maintenance of a Coated Pool" at www.nelsonitepoolanddeck.com

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 digit indicates 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:

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.