



## PRODUCT PROFILE SHEET

### HI-BILD PRIMER

**Description:**

A two-component primer that provides the painter with the option of applying the product at wet film thickness (w.f.t.) levels ranging from 5 to 10 mils. This high performance primer must be topcoated with a Nelsonite epoxy-based pool coating such as Poolpoxy Hi-Bild, Poolpoxy II or Propoxy. This primer can be used in two ways: (1) as a heavy bodied, block filler type of material designed to smooth out rough and pitted surfaces, and (2) as a conventional primer for smooth surfaces when thinned at the rate of 1 pint of water per gallon of mixed material.

**For Use On:**

- Concrete
- Surfaces previously painted with epoxy coating with thin or bald spots or over chlorinated rubber pool coatings before topcoating with epoxy
- Plaster (marcite)

**Not For Use On:**

- Aluminum
- Steel surfaces
- Fiberglass
- Vinyl or waterborne acrylic pool coatings

#### TECHNICAL DATA (Combined)

<b>Product Number:</b>	49-150 (Base), 49-159 (Catalyst)
<b>Colors:</b>	Off-White
<b>Viscosity:</b>	105 - 130 Kres Units @ 77°F
<b>Solids by Weight:</b>	62%
<b>Solids by Volume:</b>	43%
<b>Actual V.O.C. (Volatile Organic Compounds):</b>	220 grams per liter (1.84 lbs./gal.)
<b>Solvent(s) Used:</b>	Glycol Ether/Light Aromatic Solvent Naphtha
<b>Finish:</b>	Flat
<b>Flash Point:</b>	> 200°F/TCC
<b>Dry-To-Touch @ 77°F:</b>	30 minutes
<b>Dry-To-Handle @ 77°F:</b>	24 hours
<b>Recoat time @ 77°F:</b>	Between 24 - 72 hours
<b>Coverage:</b>	Approximately 175 square feet per gallon, unthinned, applied at 5 mils w.f.t. Approximately 200 square feet per gallon, thinned with 1 pint of water

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

# HI-BILD PRIMER

## DIRECTIONS FOR USE:

**TEMPERATURE LIMITATIONS:** This product is 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. Do not apply to a surface that is in direct sunlight. At higher temperatures (above 75°F), apply HI-BILD PRIMER 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](http://www.nelsonitepoolanddeck.com/nelsonite_your_pool.html)

**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, or you may use HI-BILD PRIMER at an unthinned consistency. (For greater fill capacity of the primer, add 1 - 2 cups of white silica sand per gallon of HI-BILD PRIMER. See below for mixing instructions. Add the sand after the mixing procedure). 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 HI-BILD PRIMER. Sand lightly with 100 grit sandpaper before painting.

**IMPORTANT!** To be used only with HI-BILD PRIMER 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:** HI-BILD PRIMER is a two-part product. The mixing ratio is 3:1. 3 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 - 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 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 water. When coating 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 HI-BILD PRIMER.

**APPLICATION:** HI-BILD PRIMER is for use over compatible surfaces which have been properly prepared, patched and cleaned. Provide ample ventilation when applying to indoor pools.

- New concrete should age 30 days before the application of HI-BILD PRIMER.
- The surface can be damp, but not wet, at time of application.
- HI-BILD PRIMER 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" to 3/8" nap.
- The wet film thickness when applied can be varied according to the usage requirements. Smooth surfaces can be applied at 5 mils, while rough surfaces can be applied up to 10 mils.
- Apply the first coat in a uniform and continuous manner, without pinholes or gaps.
- Two coats may be required. 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 crisscross your coating application.
- All recoating and topcoating MUST occur within a 24 to 72 hour period. If more than 72 hours elapse, the primer coat must be lightly sanded to increase intercoat adhesion.

**CLEAN-UP:** Soap and warm 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 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.*