



POOL AND DECK COATINGS



Kelley Technical Coatings

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ALL OLYMPIC PRODUCTS ARE VOC COMPLIANT

Bulletin No. 170

Colorful Designs in Pool Interiors

Our POXOLON 2 pool coatings are available in four special colors. These four colors may be intermixed or mixed with white to form virtually any desired color or shade.

In order to paint a design or mural in your pool, we suggest making a sketch of the design on a sheet of graph paper. You may then draw a grid pattern inside your pool with chalk and transfer that design in direct proportion to the original sketch on the graph paper. By using this system you may paint virtually any desired design in your swimming pool.

APPLICATION OF DESIGNS ON A FRESHLY APPLIED POXOLON 2 OR ZERON COATING

(A) All POXOLON 2 containers are only 3/4 full to leave room for the catalyst.

CAUTION! Be careful to remove all catalyst from its container and THOROUGHLY STIR.

(B) After mixing, wait according to induction schedule on label for the proper chemical reaction to take place before applying the mixed material. Do not mix more than can be used during the pot life period.

(C) For the best results, POXOLON 2 colors should be applied when the temperature is over 50°F(10°C).

(D) When there is considerable drop in the temperature at night, the following day the pool walls remain much colder than the air temperature.

The POXOLON 2 bright colors MUST be applied as soon as the POXOLON 2 or ZERON cures to the point where it can stand foot traffic without marring or being tacky.

If the underlying POXOLON 2 or ZERON coating cures too long, it may become insensitive to solvents. Then the solvent in the POXOLON 2 bright colors will not "bite into" the underlying epoxy coating. If this should happen, it will be necessary to sand the POXOLON 2 or ZERON coating only where the bright colors are to be applied. This is done by sanding in one direction with a coarse sandpaper. Wait until the coating has a hard cure before sanding.

By applying the POXOLON 2 bright colors as soon as the surface can be walked on, they will combine with the previous coat and produce a chemical bond. Do not apply as long as the underlying coating has any "tack" when you press your fingers on the epoxy coating.

Generally speaking, all POXOLON 2 colors should be applied with a brush. Where large areas are to be coated, they may be rolled and trimmed out along the edges with a brush. The size of the brush will depend on the size and shape of the area of that particular segment of the design.

IMPORTANT! All POXOLON 2 colors MUST BE thoroughly stirred to disperse all colored pigments; otherwise, colors may be far off from standard; also, they may streak upon application.

POXOLON 2 COLORS ON UNCOATED PLASTERED SURFACES

Pools having this type of finish have been difficult to paint with any degree of success until Kelley Technical Coatings, Inc. developed the system outlined in this bulletin. The primer develops deep penetration of the plaster. By applying POXOLON 2 color over the POXOPRIME II before the POXOPRIME II completely cures, the coats will combine and develop the best possible adhesion. Finish with two coats of POXOLON 2 or one coat of ZERON before the interior decorations are applied.

SURFACE PREPARATION

All algae, calcium, iron, and other deposits on the surface and all scum, suntan oil, and other contaminants should be removed prior to applying a prime coat of No. 214 POXOPRIME II PRIMER. On bare plaster a chlorine solution will usually remove the algae. If this does not remove the algae, it usually can be removed by using a powdered chlorine paste and a stiff bristled brush. Sometimes both algae and calcium deposits require an abrasive grinding wheel or an electric buffer, equipped with a sanding disc, for removal. If a grinding wheel is necessary for this type of removal, the surface will become rough. Rough spots can be "smoothed out" with our No. 962 POXOFILL, and epoxy putty; also the surface may be rough from other causes. When a rough plaster surface exists, it should be primed with GUNZITE PRIMER instead POXOPRIME II. GUNZITE PRIMER may be rolled or brushed on the surface. If the roller leaves a surface, it can be "smoothed out" by rolling back over the surface with a short nap i.e., (1/4), (7.5 millimeter) enameling roller or by brushing with a 4" to 5" (10 to 13 centimeters) brush. In the process of spreading the GUNZITE over an area, all voids, depressions and rough surfaces are filled. This provides a smooth base for ZERON and POXOLON 2. See Bulletin No. 118 for information on the application of GUNZITE PRIMER, Bulletin No. 134 for repairing larger pits, cracks, etc., Bulletin No. 105 for coating uncoated concrete, plaster and sandblasted pool surfaces, and No. 119, for the application of ZERON-POXOLON 2 and PARALON 2 on previously coated pools.

Use No. 910 OLYMPIC POOL WASHING COMPOUND or trisodium phosphate to remove scum, suntan oil, and similar residue. After washing, the pool should be acid cleaned. Most stains such as iron and copper sulphate are removed at the time the surface is acid cleaned.

After a short drying-out period, the uncoated pool is then primed. Use POXOPRIME II or GUNZITE PRIMER depending on the roughness of the pool surface. Once the primer coat has cured, the surface is ready for two base coats of POXOLON 2 or one coat of ZERON. Again, allow the base to cure according to schedule before applying the final POXOLON 2 bright color design.

Remember that all epoxy products require an ageing period (according to induction schedule on label) for the catalyst and base to react properly.

PLEASE NOTE: In the case of POXOLON 2 bright colors, POXOPRIME II, GUNZITE PRIMER, POXOLON 2 or ZERON, do not wait too long between coats. Waiting too long before applying succeeding coats could result in peeling of the top coat. When the existing coat cures too hard the solvent in the next coat will not "bite" into the previous coat. By the same token, don't coat too soon.

When using POXOLON 2 colors, the application equipment should be cleaned with the No. 1109 SOLVENT immediately after using. Once it cures it is almost impossible to remove.

In slippery areas, such as wading pools, steps and shallow areas (under two feet), white silica sand should be lightly sifted on the top surface while the coating is still tacky. After it sets up, any excess sand may be brushed or vacuumed from the surface.

PLEASE NOTE!: POXOLON 2 colors should not be recoated until it becomes so thin in spots that it is almost transparent. POXOLON 2 colors chalk very mildly. After 4 or 5 years, it chinks down until it is thin and dull. This provides the perfect surface to recoat. If the POXOLON 2 colors fade or lose their brightness, they should be acid cleaned. This also removes stains and other residue. This brings back the normal uniform color. White should also be acid cleaned every 2 years. Use a mild acid solution for cleaning. Cleaning can be done by soaking a lambswool applicator (with a long handle) in the acid solution and quickly brushing over the colors to be cleaned. This can be accomplished without draining the pool.

AGEING PERIOD OR INDUCTION:

After mixing and before application for:

POXOPRIME II , GUNZITE PRIMER, POXOLON 2 and ZERON:
See label on can.

PHYSICAL DATA

SOLVENTS:

No. 1109 for ZERON, POXOLON 2 and GUNZITE PRIMER
Flash point: Above 105°F (40.6°C)

POXOPRIME II RECOATING TIME:

Approx. 4 hours @ 90°F (32.2°C)
Approx. 6 hours @ 80 -85°F (26.70°C)
Approx. Overnight @ 75 - 80°F (21.1°C)

POXOLON 2 RECOATING SCHEDULE:

Approx. 4 hours @ 90 - 95°F (35°C)
Approx. 5 hours @ 85 - 90°F (29.4°C)
Approx. 8 hours @ 75 - 85°F (21.1C to 26.7°C)
Approx. 24 hours @ below 75°F (15.6 to 21.1°C)

POXOLON 2 CURING SCHEDULE (before filling the pool):

Approx. 3 days @ 75°F (23.9°C) and up
Approx. 4 days @ 70°F (21.1°C) to 75 F (23.9°C)
Approx. 5 days @ 65°F (18.3°C) to 70 F (21.1°C)
Approx. 6 days @ 60°F (15.6°C) to 65 F (18.3°C)

POT LIFE POXOPRIME II AND POXOLON 2 AND COLORS:

Approx. 2 hours @ 90-95°F (35°C)
Approx. 6 hours @ 68-75°F (21.1°C)
A good test for the application of succeeding coats or filling the pools is wait until the surface no longer has any tackiness when you press your fingers with reasonable pressure.

SQUARE FEET PER GALLON:

POXOLON 2: First coat: 250 sq. ft. (22 sq. meters),
Second coat: 300 sq. ft. (24 sq. meters)
POXOPRIME II : 200 to 250 sq. ft. (18.5 to 22 sq. meters)

CAN STABILITY:

POXOLON 2 : Base up to 2 years; catalyst up to 2 years
POXOPRIME II: Base up to 2 years; catalyst up to 2 years
Solvent: Indefinitely

APPLIED FILM THICKNESS:

GUNZITE: 10 to 14 mils
ZERON: 10 to 12 mils
POXOPRIME: 2 1/4 to 3 1/2 mils
POXOLON 2: 5 to 7 mils

CAUTION! Do not take internally. Close container after each use. Keep away from heat and open flame. Avoid prolonged contact with skin and breathing of vapor. Areas of body or clothing on contact with uncured resin and/or catalyst should be thoroughly cleaned with solvent and washed with soap and water immediately. Use only where there is adequate ventilation. **KEEP OUT OF THE REACH OF CHILDREN.**

WARNING!

If you scrape or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at **1-800-424-LEAD** or log on to **www.epa.gov/lead**

Information herein given has been accumulated through many years of experience and verified by our technical personnel and is based upon tests believed to be reliable, but RESULTS ARE NOT GUARANTEED.

NOTE: KELLEY TECHNICAL COATINGS, INC. makes no implied warranty of merchantability, no implied warranty of fitness for a particular purpose and no other warranty, either express or implied, concerning its products.

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