



DYC3150 AND DYC3151 DYCO WATERBORNE ACRYLIC POOL PAINT

TECHNICAL DATA SHEET



DESCRIPTION:

DYCO WATERBORNE ACRYLIC POOL PAINT is a waterbased pool coating with superior film properties designed to provide an attractive highly resistant finish on concrete, plaster, and masonry surfaces with the ability to seal hairline cracks. This product is formulated with Ultraviolet (UV), Infrared (IR) and harsh pool chemical inhibitors for a long-lasting finish.

RECOMMENDED USES:

Bare Concrete • Unsealed Plaster • Bare Marcite • Previously Coated Surfaces (Previously coated surfaces must be prepared following preparing previously coated surfaces instructions. Do not apply over chlorinated rubber or epoxy coatings)

FEATURES/BENEFITS:

Exceptional Color Retention – Fade Resistant • Fills hairline cracks • Resistant to Peeling, Cracking, and Blistering • Durable in Fresh or Salt Water • Chemical and Stain Resistant • Self-Priming on Bare Concrete, Unsealed Plaster or Marcite • Excellent Waterproofing Characteristics

NOTES:

DYCO WATERBORNE ACRYLIC POOL PAINT requires a two-coat application. **SLIPPERY WHEN WET:** DYCO WATERBORNE ACRYLIC POOL PAINT can accept an anti-slip aggregate. See your paint specialist for a recommendation of a suitable aggregate to be used and follow manufacturer's instructions for use. Test coating on a hidden area before applying to the entire surface.

- Make sure you have enough material for two full coats at the correct surface coverage rate. Do not stretch the material to cover more square footage than instructed.
- Do not use on fiberglass, hot tubs, spas, new galvanized metal, steel, over chlorinated rubber, or epoxy coatings.
- Make sure the surface is 100% dry before coating. Conduct a moisture test on substrate before coating.
- Do not apply when surface, material or ambient temperature is below 50°F (10°C) or above 90°F (32.2°C).
- When possible, avoid painting in direct sunlight during the hottest part of the day.
- Do not apply if rain is prevalent or expected within 48 hours.
- Do not freeze. Do not use in drinking water or food systems.

ALLOW A MINIMUM OF FIVE (5) TO SEVEN (7) DAYS AFTER THE FINAL COAT BEFORE FILLING POOL.

Low temperatures, high humidity, thick film builds, rain, dew, or poor ventilation will increase these dry times. Allow more drying time before filling the pool in these events. Do not tent or tarp over pool in attempts to protect the new pool coating from rain / elements. This will prevent the coating from properly curing and may result in premature failure.

Note: Pool chemicals, especially chlorine, can cause eventual color fade of any coating. Maximum colorfastness can be accomplished by maintaining proper chemical balances. Do not over chlorinate. After refilling the pool, add concentrated chlorine or chlorine shock through a chlorinator or into the skimmer trap to avoid having concentrated chlorine come in direct contact with the new paint.

PREPARING NEW UNCOATED SURFACES:

New or previously uncoated concrete, plaster, or marcite surfaces must be cleaned and etched as directed before coating. Cleaning - Remove all foreign contaminates, i.e., oils, grease, stains, chemical residue, suntan oils, etc, with a heavy-duty cleaner / degreaser such as TSP. Scrub into the concrete, let the cleaner stand 5-10 minutes before rinsing. Do not allow the cleaning mixture to dry before cleansing away with water. If cleaning mixture is allowed to dry on surface it will leave a residue that can prevent adhesion, repeat until all embedded contaminates are removed. Etching - After cleaning, acid etch with Muriatic Acid. This does not clean the concrete; it only opens the surface to obtain proper adhesion. Follow the muriatic acid manufacturer's instructions for proper mix ratio, application, dwell time, and neutralizing process. Do not allow acid mixture to dry. Flush completely with water and allow to dry. If a residual powder remains that can be scraped with a knife, repeat etching and rinsing process. Allow the surfaces to dry out over several warm, dry days before applying DYCO WATERBORNE ACRYLIC POOL PAINT.

TECHNICAL DATA:

Vehicle Type	Acrylic
Finish/Sheen	Semi-Gloss
Available Colors	3150 White and 3151 Blue (Factory-tinted colors cannot be re-tinted)
Solids by Weight	44.58%
Solids by Volume	35.71%
Viscosity	88 KU
Flash Point	245°F
Permeability	<10 perms
Tensile Strength	275 psi
Weight per Gallon	10.44bs.
Shelf Life	12 months unopened
Coverage	250 sq.ft. per gallon @5.25 mils wet; 2.2 mils dry (Actual coverage rate may vary depending on substrate and application method)
Surface and Material Temperature During Application	Min: 50°F (10°C) Max: 90°F (32°C)
Drying Time, at 77°F (25°C), 50% RH To Touch:	1 hour To Recoat: 8-36 hours. (if recoating after 36 hours, surface must be mechanically abraded)
	To Fill: 5-7 days after final coat
Low temperature, high humidity, thick films, rain, dew, or poor ventilation will increase these dry times, allow more drying time before filling pool in these events.	
Thinner	Do not thin
Clean-up	Soap and water
Storage Temperature	Min: 40°F (4.4°C) Max: 100°F (38°C)

VOC: <200 g/L

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PERSONAL PROTECTIVE EQUIPMENT



EYEWEAR



PROTECTIVE CLOTHING



GLOVES



BRUSH



ROLLER



SPRAYER

APPLICATION TOOLS:

Roller: 1/4" - 3/8" nap, synthetic.

Brush: Nylon, Nylon/Polyester.

Sprayer: Airless unit with a minimum of 2500 psi of pressure, with a 0.015"-0.019" tip.

PREPARING PREVIOUSLY COATED SURFACES:

Existing loose, scaling, chalking, peeling, or deteriorated coatings must be removed by sand blasting or mechanical abrasion. DYCO WATERBORNE ACRYLIC POOL PAINT will not give maximum durability if applied over old paint which gives indication of future chipping or peeling. Existing waterbased coatings that are well adhered and in sound condition should be sanded with medium or coarse sandpaper to create a profile for the new coating to adhere to. If not, test DYCO WATERBORNE ACRYLIC POOL PAINT in several places before coating entire pool. If test areas indicate no evidence of lifting, peeling, etc., it is reasonably safe to proceed with painting. If complete removal is found necessary, once finished follow the etching process mentioned above. Do not acid etch previously coated surfaces. Repair holes and cracks with an appropriate patching material, following manufacturer's directions for use and coating. **Note:** Painting over multiple (5 or more) old layers of pool paint is not recommended and can cause adhesion loss. In this event, it is advised to remove all the old layers of paint before repainting again. **WARNING!** If you scrape, sand 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.

MOISTURE TESTING:

It is highly recommended to conduct a moisture test of the surface after preparing and allowed to thoroughly dry out. Conduct this test in the deepest area of the pool and several other areas and under the same weather conditions as when the DYCO WATERBORNE ACRYLIC POOL PAINT is going to be applied. Tape an 18"x18" piece of polyurethane plastic to several different areas, including the deepest part of the pool. Apply tape to all four (4) sides of the plastic and allow the plastic to remain in place for 24 hours. If water has condensed on the underside of the plastic within 24 hours, the concrete is evaporating moisture at a rate that is not acceptable to paint the concrete. Wait several more days and conduct the test again. If moisture is detected again, it is recommended to contact a professional to determine the source of and correct the moisture.

APPLICATION:

MAKE SURE THE POOL SURFACE IS 100% DRY. This is critical. Water trapped under the paint film will eventually result in blistering as vapors try to escape. DYCO WATERBORNE ACRYLIC POOL PAINT is a two (2) coat process. Make sure you have enough material for two (2) full coats, following coverage rate recommendations. Mix thoroughly to a uniform consistency and color before use. Apply each coat as received in package, do not thin. Apply each coat evenly with a roller, brush, or airless sprayer. When brushing, rolling, or spraying, it is important to maintain a wet edge during application. When rolling large areas, apply material in one direction avoiding any excessive re-spreading or over-rolling. When spraying, you must back-roll to push the coating into the surface pores, ensuring an even coat application and achieving proper adhesion. For color uniformity of the finish coat, combine and stir all containers together into one container. **Note:** If recoating occurs after 36 hours of the initial coat, the surface must be mechanically abraded (120-180 grit) to provide sufficient profile, followed by a thorough cleaning to remove residue and dust.

PRECAUTIONS:

CAUTION: May cause drowsiness or dizziness. PRECAUTION: Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. KEEP OUT OF REACH OF CHILDREN. FIRST AID: Contains glycol ether and titanium dioxide. If exposed or concerned get medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in a well-ventilated place. Keep container tightly closed. DISPOSAL: Dispose of contents/container to authorized hazardous or special waste collection point and in accordance with applicable local/national/regional/international regulations. SEE SAFETY DATA SHEET. **WARNING:** This product can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov. **WARNING!** Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Hazardous dust may be formed when sanded. Do not breathe dust. Use adequate ventilation.

Visit Dycopaints.com for additional products.



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