



EPOXY POOL COATING SEMI-GLOSS FINISH IG-40XX

Features

- Two Component Coating
- Extremely Durable In Fresh & Salt Water
- VOC Compliant in all areas
- Resistant To Common Pool Chemicals

Recommended For

Epoxy Pool Coating is designed for use on concrete, Marcite, Gunitite, Fiberglass and steel surfaces. **The integrity of the Marcite or Gunitite must be sound and solid.** Insl-Guard® Epoxy Pool Coating, like any epoxy coating, will chalk and fade over time when exposed to ultraviolet light. **Do not use in hot tubs and spas due to high water temperatures. We do not recommend painting stainless steel, aluminum, galvanized or vinyl lined pools. DO NOT APPLY OVER A PREVIOUS CHLORINATED RUBBER, RUBBER BASED OR ACRYLIC POOL PAINT!**

General Description

Epoxy Pool Coating is a two component polyamide epoxy coating especially designed for properly prepared concrete, Marcite, Gunitite, fiberglass and steel pools. It is extremely durable in fresh and salt water and is resistant to common pool chemicals, including chlorine. Epoxy Pool Paint can be applied directly to appropriate substrates or to previous epoxy coatings.

This is a two component product with a mix ratio of 1:1. It requires 1 part of the proper "A" or Base Component mixed with 1 part of the proper "B" or Converter Component. Do Not Mix Partial Kits.

Limitations

- Do not apply this coating over any rubber base or water base pool paints.
- Do not paint in direct rays of the sun.
- Do not paint if rain is expected in 4 – 6 hours.
- Do not fill pool before paint is cured.
- Do not mix partial kits.

Product Information

Colors — Standard: Light Reflectance Values

IG4010 – White	85% plus
IG4001 – Red	X
IG4020 – Black	X
IG4024 – Royal Blue	57%
IG4042 – Ocean Blue	81%

Can use a maximum 2 oz. per gallon of Industrial Colorant

— Tint Bases:

N/A

— Special Colors:

Contact your dealer.

Certification:

All products supported by this data sheet contain a maximum of 340 grams per liter VOC / VOS (2.83 lbs/gal.) excluding water & exempt solvents.

This product is compliant under the Ozone Transport Commission regulations as a Pool Paint.

Pool paint applications are not addressed by LEED (Leadership in Energy and Environmental Design).

Technical Assistance:

Available through your local authorized Insl-x dealer. For the location of the dealer nearest you, call 1-800-225-5554 or visit www.insl-x.com.

Technical Data◇

Generic Type	White	Polyamide Epoxy
Pigment Type		Titanium Dioxide
Volume Solids (mixed as recommended; varies by color)		62 ± 1.0%
Coverage per Gallon at Recommended Film Thickness		350 – 400 Sq. Ft
Recommended Film Thickness	– Wet	4.0 - 4.6 mils
	– Dry	2.5 - 2.9 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.		
Dry Time @ 77°F	– To Touch	2 Hours
	– To Recoat	3 – 72 Hours
	– Full Cure	7 Days Exterior 14 Days Interior
*If top coat is not applied within 72 hours abrade the surface to ensure proper inter-coat adhesion. Maximum abrasion and chemical resistance are achieved at full cure; care should be taken to prevent damage to the coating during the curing process. High humidity and cool temperatures will result in longer dry, recoat and cure times.		
Dries By		Chemical Reaction
Viscosity @ 77°F (mixed as recommended)		85 – 95 KU
Flash Point		80° F or greater
Gloss/Sheen		Semi-Gloss [40 - 50 @60°]
Surface Temperature at application	– Min.	50°F
	– Max.	100°F
Surface must be dry and at least 5°F above the dew point		
Thin With		Do Not Thin
Clean Up Thinner		V704 Epoxy Thinner or Xylene
Mixed Ratio (by volume)		1:1
Induction time @ 77°F		30 Minutes
Pot Life @ 77°F		6 Hours
Weight Per Gallon (mixed as recommended; varies by color)		11.5 lbs
Storage Temperature	– Min.	45°F
	– Max.	95°F

Volatile Organic Compounds (VOC)
327 Grams / Liter* 2.75 Lbs / Gallon*
* Catalyzed

◇ Reported values are for White. Contact dealer for values of other bases or colors.

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Surface Preparation

The following is a basic guide only. Do not paint pool without following all instructions listed in the Insl-x® "Epoxy Pool Painting Guide". If a previous paint exists and is in good condition, determine the type of pool paint previously used. Epoxy Pool Coating can only be applied over another paint if the previous paint was also a 2 part epoxy.

Surfaces to be painted must be clean, dry and free from all oils and grease. Use Insl-x® Citrus Based Cleaner or a similar heavy duty citrus based cleaner / degreaser. Hand scrub at the water line where oils from sun tan lotion will tend to migrate.

Unpainted Concrete: Following a thorough cleaning, new or previously unpainted concrete pools must be etched with a 10% solution of muriatic acid, evenly applied until it ceases to effloresce. Then thoroughly triple rinse with clean water and allow to dry 3 days. It is extremely important to ensure that all traces of acid are thoroughly neutralized and rinsed away. Use a Solution of 1lb. Baking Soda to 5 Gallons Water.

(Marcite/Gunite/Diamond Brite): Following a thorough cleaning, new or previously unpainted plaster must be etched with a 10% solution of muriatic acid, evenly applied until it ceases to effloresce. Then thoroughly triple rinse with clean water and allow to dry 3 days.

Unpainted Fiberglass: Following a thorough cleaning, new or previously unpainted fiberglass should be scuff sanded with 150 – 180 grit sandpaper or equivalent. Rinse off sanding dust and allow to dry 24 hours.

Unpainted Steel: Following a thorough cleaning, inspect for rust. Remove rust following Hand Tool Cleaning or Power Tool Cleaning. Prime with Insl-Guard® Epoxy Pool Paint Primer.

Previously Painted Pools: Scrub surface with a Pool Cleaner to get rid of all chalk, scum, oil, dirt and suntan lotions. Flush with plenty of clean water and let dry. Scuff sand with 150 – 180 grit sandpaper or equivalent. Rinse off sanding dust and allow to dry 24 hours. **DO NOT ACID ETCH A PREVIOUSLY PAINTED SURFACE!!!**

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.

Primer/Finish Systems

Steel: Use the appropriate primer. Ask your retailer.

Concrete, Marcite, Gunnite, Fiberglass: Self Priming

NOTE: Painting over many old layers of pool paint is not recommended and could result in premature adhesion loss. Once multiple layers (4 or more) of paint have been applied and have aged, consideration should be given to removing all old layers back down to the substrate prior to the next paint application. When in doubt, check the adhesion of previous paint layers before proceeding.

Application

Mix each individual component thoroughly prior to inter-mixing the two. "A" and "B" must be combined together (1:1 ratio) and thoroughly mixed. A drill mixer at low speed should be used to accomplish this task. Then allow the mixture to induct for a period of 30 minutes. This induction time is critical and should be the same for all kits. **Do not mix partial containers. Do not mix more material than can be used in 4-6 hours. Do not scrape the sides of the final container when using the last of the catalyzed product as this may introduce partially uncatalyzed product to be applied.**

This product is formulated to be applied without thinning. Do not thin if this would result in the product exceeding any VOC regulations in effect where it is being applied. **POOL PAINT MUST BE APPLIED IN MULTIPLE THIN COATS. DO NOT APPLY HEAVILY. TWO COATS ARE REQUIRED.**

This product can be applied by Brush, Roller or Spray. Roller application is preferred. Follow spread rate recommendations. Do not apply heavier than recommendations. **Always apply two coats of pool paint.** If sprayed, backrolling is required.

Conventional Air Spray: Binks, Graco, DeVilbiss

Airless Spray: Graco

Conventional Air spray:	Binks	Graco	DeVilbiss
Spray Gun:	#18 or #62	800	JGA/502 or MBC-510
Fluid Nozzle:	66 or 63C	03 or 04	FF or E
Air Cap:	66PE or 63PB	02, 03 or 04	704, 765 or 78
Airless Spray:	Graco		
Pump:	23:1 Monarch or 30:1 Bulldog		
Pressure Filter:	60 Mesh		
Fluid Hose:	1/4" x 50' or 3/8" x 100'		
Airless Gun:	208-663		
Tips:	.015 - .021 reversible tip		
Minimum Pressure:	2000 PSI		

NOTE: If more than 72 hours (@77°F) elapses between coats, sand the film to provide sufficient profile (150-180 grit). Do not apply this product if the material, substrate or ambient temperature is below 50°F or above 100°F. Do not paint if surface temperature is within 5 degrees of the dew point. Wherever possible, avoid painting in direct sunlight.

IMPORTANT SAFETY NOTE: All glossy surfaces can be slippery. Where non skid properties are required a non skid additive should be used.

Allow at least 7 days after the final applied coat before filling the pool with water. 10-14 days for indoor pools. Provide forced air flow by using fans to circulate air in the pool. This is especially important in the deep end of an indoor pool, where solvent vapors from the pool paint will collect and slow final curing. If rain water gets into the pool prior to the completion of full cure, pump out the rain water as soon as possible.

Never cover the pool with a tarp or solar blanket during cure. This could trap solvent in the coating.

All pool paints will eventually fade in color when exposed to chlorine. Maximum color fastness can be achieved by maintaining proper chemical balances. Do not over-chlorinate. After refilling pool, add concentrated chlorine or chlorine shock through a chlorinator or into the skimmer trap to avoid having concentrated chlorine come in contact with the new paint.

WAIT 7 DAYS AFTER FINAL COAT BEFORE FILLING POOL WITH WATER. EXTEND DRY TIME TO 10 – 14 DAYS FOR INDOOR POOLS.

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Clean Up

Clean all exposed skin areas and application tools with V704 Epoxy Thinner or Xylene solvent followed by warm soapy water as soon as possible after application.

USE COMPLETELY OR DISPOSE OF PROPERLY.

This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.**

Environmental Health & Safety Information

DANGER!

FLAMMABLE LIQUID AND VAPOR VAPOR HARMFUL

Contains: Polyamine adduct, Polyamide polymer, and Xylene
HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD.
CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT.
MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION.
HARMFUL IF ABSORBED THROUGH SKIN. VAPORS MAY AFFECT
BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS,
HEADACHES AND NAUSEA.

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

NOTICE: Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Keep away from heat, sparks and flame. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, or other flames, sparks, heaters, or static discharge. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

Use only with adequate ventilation. Use only where airflow will keep vapors from building up in or near the work area in adjoining rooms. Vapors may spread long distances. Use portable explosion-proof ventilating and lighting equipment. Connect to exterior power source. If exhaust fans are used, the motors must be explosion proof. Keep electrical power and gas supplies off until all vapors are gone.

Do not breathe vapors, spray mist or sanding dust. Avoid contact with eyes, skin and clothing. Wear eye protection, gloves and protective clothing during application and cleanup. To avoid breathing vapors or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor levels are above the applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area. Aspiration Hazard. Small amounts aspirated into the respiratory system may cause mild to severe pulmonary injury. Close container after each use. Wash thoroughly after handling.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

FIRST AID: If affected by inhalation of vapors or spray mist, remove to fresh air. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. If swallowed, do not induce vomiting. Get medical attention immediately.

IN CASE OF FIRE – Use foam, CO₂, dry chemical or water fog.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Clean up".

KEEP OUT OF REACH OF CHILDREN

Refer to Safety Data Sheet for additional health and safety information.