



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

Colours — Standard: Light Reflectance Values

IG4010 – White	85% plus
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 Colours:

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 independent Insl-x dealer. For the location of the dealer nearest you, call 1-800-225-5554 or visit www.insl-x.ca.

Technical Data[◇]

		White
Generic Type		Polyamide Epoxy
Pigment Type		Titanium Dioxide
Volume Solids (mixed as recommended; varies by colour)		62 ± 1.0%
Coverage per 3.79 L at		32.5 - 37.2 Sq. M.
Recommended Film Thickness		(350 - 400 Sq. Ft.)
Recommended	– Wet	4.0 - 4.6 mils
Film Thickness	– 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 colour uniformity and minimize the disposal of excess paint.		
	– To Touch	2 Hours
Dry Time @ 25° C (77°F)	– 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 @ 25° C (77° F) mixed as recommended)		85 – 95 KU
Flash Point		80° F or greater
Gloss/Sheen		Semi-Gloss [40 - 50 @ 15.6 °C (60 °F)]
Surface Temperature at application	– Min.	10 °C (50 °F)
	– Max.	37.7 °C (100 °F)
Surface must be dry and at least 5° 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 @ 25° C (77°F)		30 Minutes
Pot Life @ 25° C (77°F)		6 Hours
Weight Per 3.79 L (mixed as recommended; varies by colour)		11.5 lbs
Storage	– Min.	7.22 °C (45 °F)
Temperature	– Max.	35 °C (95 °F)
Volatile Organic Compounds (VOC)		
327 Grams / Liter*	1.25 kg/3.79 L (2.75 Lbs. / Gallon)*	
	* Catalyzed	

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

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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 3.79 Ls 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 logging onto Health Canada @ http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

Primer/Finish Systems

Steel: Use the appropriate primer. Ask your retailer.

Concrete, Marcite, Gunite, 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:	¼" 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 (25° C (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 10°C (50°F) or above 37.7°C (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 colour when exposed to chlorine. Maximum colour 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.

Environmental Health & Safety Information

DANGER

FLAMMABLE

IRRITANT

CONTENTS MAY CATCH FIRE.

MAY IRRITATE EYES.

MAY IRRITATE SKIN.

May cause allergic skin reaction.

Do not get in eyes.

Do not get on skin or clothing.

Do not breathe fumes.

Do not smoke. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor.

FIRST AID TREATMENT

Contains Xylene, Triethylenetetramine.

If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting.

If in eyes, rinse with water for 15 minutes.

If on skin, rinse well with water.

IMPORTANT! The contents of this package must be blended with other components before the product can be used. Any mixture of components will have hazards of both components. Before opening the package, read all warning labels. Follow all precautions.

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN

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