



GARAGEGUARD®

WATERBORNE EPOXY SEMI-GLOSS EGG-XXXX

Features

- For Garage Floors, Basement Floors and Other Concrete Surfaces
- Resists Most Automobile Fluids
- Abrasion & Impact Resistant
- Soap & Water Clean-Up
- Easy to Clean
- Easy Application
- Fast Return to Service (refer to Page 2)

Recommended For

GarageGuard® Waterborne Epoxy is designed for use on basement floors, garage floors and other concrete surfaces. Ideal for use in food and beverage processing, transportation, warehouses, industrial refurbishment, healthcare, schools, large commercial structures, industrial and commercial flooring, and other areas where a performance epoxy is needed.

General Description

GarageGuard® Waterborne Epoxy is a water-based catalyzed epoxy which offers performance equal to traditional solvent based epoxy systems. It provides superior chemical, abrasion and impact resistance when compared to conventional waterborne epoxies. The highly cross-linked film provides years of service. Additionally, this product may be applied to most generic coating types without the fear of lifting or wrinkling. **This is a two component product with a mix ratio of 3:1. It requires 3 parts of the proper "A" or Base Component (under filled gallon can) mixed with 1 part of the proper "B" or Converter Component (quart). Mixing of Partial Kits Is Not Recommended.**

Limitations

- Do not apply when air, surface or product temperature is below 10 °C (50 °F).
- Use the entire gallon of GarageGuard® within 4 hours of initial mixing.
- Mixing of Partial Kits Is Not Recommended.
- Not recommended for use in immersion service or acidic exposures.

Product Information

Colours — Standard:	Technical Data◇	Tint Base
EGG-310S, Showroom Grey Kit	Generic Type	Amine Adduct Epoxy
EGG-922S, Desert Sand Kit	Pigment Type	Titanium Dioxide
	Volume Solids (mixed as recommended)	42 ± 1.0%
	Coverage per 3.79 L at	23.2 – 27.9 sq. m.
	Recommended Film Thickness	(250 – 300 sq. ft.)
	Recommended Film Thickness	– Wet 5.3 – 6.4 mils
	– Dry	2.2 – 2.7 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.	
	– Tack Free	2 Hours
	Dry Time @ 25 °C (77 °F)	– To Recoat 8 Hours*
	@ 50% RH	Foot Traffic – 24 Hours
	– Return to Service	– Vehicular Traffic – 72 Hours
	*If top coat is not applied within 48 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	70 – 80 KU
	Flash Point	93.2 °C (200 °F) or greater (TT-P-141, Method 4293)
	Gloss/Sheen	Semi-Gloss (35 – 55 @ 60°)
	Surface Temperature at application	– Min. 10 °C (50 °F)
	– Max.	32.2 °C (90 °F)
	Thin With	Water Only
	Clean Up Thinner	Soapy Water
	Mixed Ratio (by volume)	3 : 1
	Induction time @ 25 °C (77 °F)	30 Minutes
	Pot Life @ 25 °C (77 °F)	4 Hours
	Weight Per 3.79 L (mixed as recommended)	5 kg (11.0 lbs)
	Storage Temperature	– Min. 7.2 °C (45 °F)
	– Max.	35 °C (95 °F)
	Volatile Organic Compounds (VOC) 210.7 Grams / Litre* * Catalyzed	
Colours — Standard: EGG-310S, Showroom Grey Kit EGG-922S, Desert Sand Kit		
— Tint Bases: EGG-111S, Tint Kit EGG-190S, Neutral Kit Tint with Universal colorants only		
— Special Colours: Contact your retailer.		
Certifications & Qualifications: All products supported by this data sheet contain a maximum of 250 grams per litre VOC / VOS (2.09 lbs/gal.) excluding water & exempt solvents. This product is compliant as an Industrial Maintenance Coating.		
Technical Assistance: Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-800-361-5898 or visit www.insl-x.ca		

◇ Reported values are for Tint Base.

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Surface Preparation

Sweep all dirt and trash from the surface. Scrub floor with a stiff brush and strong detergent solution to remove all dirt, grease, oil and other contaminants. Scrub grease and oil spots with an Oil & Grease Emulsifier. Scrub the floor a section at a time (3 m x 3 m) (10' by 10') and thoroughly rinse each section before moving on. Once the entire floor is clean, rinse the floor thoroughly with clean water and allow to dry completely. Use a squeegee, if necessary, to remove ponded water.

Previously Painted Floor: Loose or damaged concrete and cracks must be filled with a suitable concrete based patching material. Remove all loose materials and dust. Remove loose or peeling paint by sanding and scraping. Feather the edges to attain a smooth look to the finish coat. Test the remaining paint for adhesion. Cut an X in the paint with a single edge razor blade. Apply duct tape firmly to the floor directly over the X. Remove the duct tape with one quick pull. If more than 25% of the paint at the X is removed, do not apply GarageGuard® until all existing paint is removed. **Do not use muriatic acid or other etching materials on a painted floor.**

Floor Never Painted: Allow new concrete to cure for a minimum of 30 days. Loose or damaged concrete and cracks must be filled with a suitable concrete based patching material. Be sure to smooth the patch completely. Allow to dry in accordance with the manufacturer's instructions. Remove all loose materials and dust. All bare concrete floors need to be acid etched with a concrete etching solution or a 10% muriatic acid solution to open and roughen the surface enough to assure good adhesion and to neutralize the alkali salts. Follow the manufacturer's instructions and safety precautions. Be sure to protect your eyes (goggles) and skin (rubber gloves and boots) while preparing and using any acid solution. Neutralize the acid according to instructions on the etching solution package –or– mix 3.79 L/1 lb. of baking soda in 18.9 L/5 gallons of clean water and distribute over the floor. Thoroughly rinse the floor with clean water and allow to dry thoroughly (at least 24 hours). Check for dryness using a moisture meter specific to masonry surfaces (2% moisture content or less) or ASTM D-4253 Plastic Sheet Test. Tape down a clear piece of plastic to the concrete floor for 24-48 hours; if moisture collects or slab has darkened the moisture/vapour transmission is too high to accept a coating and will need additional drying time. The floor should have a roughened feel of about 80 grit sandpaper. Please consult Technical Service for other surface preparations or for use in severe environments.

Special Notes: All glossy surfaces can be slippery. Where non skid properties are required, a non-skid additive should be used.

All epoxy coatings will chalk and fade if applied on exterior surfaces subjected to direct sunlight. Under certain environmental conditions, epoxy coatings will yellow. They can also stain with prolonged exposure to brake fluid. This staining will not affect the durability or protective qualities of the coating. GarageGuard® will not cure at surface temperatures below 10 °C (50 °F). **Not recommended for use in immersion service or acidic exposures.**

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 @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

Application

Mix each individual component thoroughly prior to inter-mixing the two. "A" and "B" must be combined together (3:1 ratio) and thoroughly mixed. **The use of a drill mixer at low speed is required 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.

Thin with water ONLY. Do not exceed 10% reduction.

Airless Spray: Tip range .015 – .019. Total fluid output pressure at tip should not be less than 2100 psi.

Air Spray (Pressure Pot): DeVilbiss MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E.

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner.

Brush: Synthetic

Roller: 10 mm – 13 mm (3/8" – 1/2") nap cover depending on surface texture and condition.

Keep roller wet and roll in one direction.

NOTE: If more than 48 hours (@ 25 °C (77 °F)) elapses between coats, sand the film to provide sufficient profile. Recommended application temperatures are between 10 °C (50 °F) and 32.2 °C (90 °F). Do not paint if surface temperature is within 5 degrees of the dew point or if rain is expected within 12 hours.

Return to Service:

Light foot traffic – 24 hours

Heavy foot traffic – 48 hours

Cool tires – 72 hours

Hot Tires – 5 to 7 days

Clean Up

Clean brushes, rollers and other equipment with soap and water immediately after use.

Environmental Health & Safety Information

CAUTION

IRRITANT

MAY IRRITATE EYES.

MAY IRRITATE SKIN.

Do not swallow.

Do not get in eyes.

Do not get on skin or clothing.

Do not breathe fumes.

Handle with care.

Wear rubber gloves and safety glasses.

FIRST AID TREATMENT

Contains: **Aliphatic polyamine, Glycol ethers**

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.

Use only in a well ventilated area. 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.

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.

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

KEEP OUT OF REACH OF CHILDREN

PROTECT FROM FREEZING

FOR PROFESSIONAL USE ONLY

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