



GarageGuard®

Waterborne Epoxy Garage Floor Coating Semi-Gloss
EGG-XXXX

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.

- Commercial and residential use
- Garage floors, basement floors and other concrete surfaces

Usage

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.

Colors	EGG-310S, Showroom Gray Kit EGG-922S, Desert Sand Kit
Bases	EGG-111S Tint Kit, EGG-190S Neutral Kit
Colorant System	Color Preview® or Universal

Technical Data

Vehicle	Amine Adduct Epoxy
Pigment	Titanium Dioxide
Volume Solids	42 ± 2%
Spread Rate Per Gallon	250 – 300 Sq. Ft.
Recommended	Wet: 5.3 – 6.4 mils
Film Thickness	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 color uniformity and minimize the disposal of excess paint.	
Dry Time @ 77 °F / 25 °C (50% RH)	To Touch: 2 hours To Recoat: 8 hours* Light Foot Traffic: 24 hours Vehicle traffic: 72 hours
*If top coat is not applied within 48 hours abrade the surface to ensure proper inter-coat adhesion.	
Surface Temperature During Application	Min: 50 °F Max: 90 °F
Viscosity	75 ± 4 KU
Flash Point	200 °F + (TT-P-141, Method 4293)
Sheen / Gloss	35 – 45 @ 60°
Clean Up	Water
Thinner	Water
Mixed Ratio (by volume)	3 : 1
Induction Time @ 77 °F	30 minutes
Pot Life @ 77 °F	4 hours
Weight Per Gallon (mixed)	11.0 lbs.
Storage Temperature	Min: 40 °F Max: 90 °F
VOC	< 250 g/L

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 (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 1 lb. of baking soda in 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/vapor 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 Assistance for other surface preparations or for use in severe environments.

Special Notes: All glossy surfaces can be slippery. Where nonskid 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 50 °F.

Compliance & Certifications

FEDERAL	✓
OTC	✓
OTC II	✓
CARB	✓
CARB07	✓
CARB19	✓
UTAH	✓
AZMC	✓
SCAQMD	-

Limitations

- Do not apply when air, surface or product temperature is below 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.

Technical Assistance

Available through your local authorized independent retailer.

call 1-866-708-9180
visit www.insl-x.com

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 indurc 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 hours.

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

Brush: Nylon/Polyester

Roller: Use a 3/8" to 1/2" nap roller cover depending on surface texture and condition. Keep roller wet and roll in one direction.

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

Spray, Airless:

Pressure / 1,500 – 3,000 PSI

Tip / 0.015 – 0.019

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

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

Wash brushes, rollers, and other painting tools in warm soapy water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

Environmental Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.

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

 **WARNING** Cancer and Reproductive Harm— www.P65Warnings.ca.gov
Refer to the product label & Safety Data Sheet for product specific information.

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 Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING
FOR PROFESSIONAL USE ONLY**

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