



GARAGEGUARD®

LOW ODOR WATER BASED 2 PART EPOXY SEMI GLOSS EGG-XXXX

Features

- For Garage Floors, Basement Floors and Other Concrete Surfaces
- Soap & Water Clean-Up
- Easy to Clean
- Resists Most Automobile Fluids
- Abrasion & Impact Resistant
- Low Odor
- Easy Application
- Return To Service: Vehicles w/Cool Tires: 72 Hrs.
Vehicles w/Hot Tires: 5-7 Days

General Description

GarageGuard® Water Based 2 Part Epoxy is a new generation 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. GarageGuard® Water Based 2 Part Epoxy produces lower odor than solvent based epoxies, so this product may be applied in occupied areas, and is more user friendly. Additionally, this product may be applied to most generic coating types without the fear of lifting or wrinkling. This product is suitable for use in USDA inspected facilities. 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.

Recommended For

For Commercial and residential applications GarageGuard® Water Based 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 without the odor concerns that accompany

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.

Product Information

Colors — Standard:

EGG-310S, Showroom Gray Kit
EGG-922S, Desert Sand Kit

— Tint Bases:

EGG-111S, Tint Kit
EGG-190S, Neutral Kit

Bases can be tinted with Universal colorants only. Do Not Tint with 896 Series Industrial Waterborne colorant.

— Special Colors:

Contact your retailer.

Certification:

All products supported by this data sheet contain a maximum of 250 grams per liter VOC / VOS (2.09 lbs/gal.) excluding water & exempt solvents.

This product is compliant under the Ozone Transport Commission regulations as a Floor Coating.

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.com.

Technical Data◇

Technical Data◇		Tint Base
Generic Type		Amine Adduct Epoxy
Pigment Type		Titanium Dioxide
Volume Solids (mixed as recommended)		45 ± 1.0%
Coverage per Gallon at Recommended Film Thickness		250 – 300 Sq. Ft
Recommended Film Thickness		5.3 - 6.4 mils
Film Thickness		2.4 - 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	8 – 24 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
Dry Heat Resistance		300° F
Viscosity @ 77°F (mixed as recommended)		70 – 80 KU
Flash Point		200° F or greater (TT-P-141, Method 4293)
Gloss/Sheen		Semi-Gloss (35-45 @ 60°)
Surface Temperature at application	– Min.	50°F
	– Max.	90°F
Surface must be dry and at least 5° above the dew point		
Thin With		Water Only
Clean Up Thinner		Soapy Water
Mixed Ratio (by volume)		3:1
Induction time @ 77°F		30 Minutes
Pot Life @ 77°F		4 Hours
Weight Per Gallon (mixed as recommended)		11.0 lbs.
Storage Temperature	– Min.	45°F
	– Max.	95°F

Volatle Organic Compounds (VOC)

231 Grams / Liter* 1.93 LBS / Gallon*
* Catalyzed

◇ Reported values are for Tint Base. Contact retailer for values of other bases or colors.

GarageGuard® Low Odor Water Based 2 Part Epoxy Semi-Gloss Finish EGG-XXXX

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 Service 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. **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 contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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 15 - 19 thousandths. 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: 1/4" – 1/2" Nap Synthetic roller cover. 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.

Clean Up

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

USE COMPLETELY OR DISPOSE OF PROPERLY. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.**

Environmental Health & Safety Information

WARNING!

VAPOR HARMFUL

CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT.

Contains: Aliphatic polyamine, Glycol ethers

HARMFUL IF INHALED. HARMFUL IF SWALLOWED. CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT. MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

Cancer Hazard. Contains Crystalline Silica that can cause cancer when in respirable form (spray mist or sanding dust).

Contains ingredients which may cause blood damage based on animal data.

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, a small amount of clean sand may be added. Stir often during application.

Use only with adequate ventilation. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. 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. 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. Wash thoroughly after handling. Close container after each use. **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
PROTECT FROM FREEZING**

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