



EPOXYSHIELD® WATER-BASED EPOXY GARAGE FLOOR COATING (CAN KITS)

DESCRIPTION AND USES

EpoxyShield® Water-based Epoxy Garage Floor Coating is a two component, water-based epoxy floor coating designed for finishing concrete garage floors that are in good sound condition and are free of curing agents and sealers. It is not intended for use on unsound previous coatings or floors that have a moisture problem.

PRODUCTS

SKU	Description
251965C	Gray Gloss
251966C	Tan Gloss
252625	Tint Base Gloss

APPEARANCE

Dries to a gloss finish. Solid base color with a color fleck finish. Available in Gray or Tan premix colors and a tint base that can be tinted to 32 colors.

PACKAGING

Garage Floor Coating comes as a kit
 Part B: Base 90 fluid ounces (2.67 liters)
 Part A: Activator 30 fluid ounces (0.89 liters)
 Decorative chips and EpoxyShield® Concrete Etch

PRODUCT APPLICATION

SURFACE PREPARATION

Allow new concrete to cure for a minimum of 28 days. Sweep away all loose dirt and debris. Remove any oil spots, grease or spills and wash the floor with a suitable detergent or degreasing solution and rinse. Then etch the floor using the Concrete Etch.

PREVIOUSLY COATED FLOORS: Make sure the floor is clean and dry. Use a wire brush to remove any loose or peeling paint or stain. If floor is sealed, the sealer will have to be removed by grinding or shot blasting. To ensure proper adhesion, scuff sand the entire 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.

PRODUCT APPLICATION (cont.)

MIXING

Premix both components (Parts A and B) thoroughly to ensure any settled pigment is re-dispersed before adding the activator (Part A) to the base (Part B). It is critical to add all of Part A to B and mix for 3 minutes. Do not mix the color chips in with the coating. Allow the coating to stand before using. See induction period on page 2. Mix again just prior to application. The activated coating must be used within 1-2 hours after the mixing based on temperature.

APPLICATION

Apply only when air, material, and surface temperatures are between 60-85°F (15-29°C) and the surface temperature is at least 5°F (3°C) above the dew point. The relative humidity should not be greater than 85%. After allowing for the induction period, cut in the perimeter of the floor along the wall, or other areas where a roller cannot reach, using a brush or edger before beginning roller application. Use a synthetic ½" nap roller cover on a 9" roller frame to apply an even coat of EpoxyShield onto the surface. Limit the application to 4x4 foot (1.2x1.2m) sections at a time to make it easier to distribute the colored chips onto the freshly coated surface. Scatter the decorative chips up and away from you so they land flat on the wet paint, then continue on to the next section. Note: Fresh paint can be applied over the loose chips lying outside the previously painted area. Maintain a wet edge to prevent lap marks and gloss differences. Only one coat is necessary under most circumstances. EpoxyShield must be used within 1 to 2 hours of initial mixing.

CLEAN-UP

Wash tools and equipment with warm water and a mild detergent immediately after use. To remove dried product use lacquer thinner. Clean up drips or spatters IMMEDIATELY with water as dried paint is very difficult to remove. Properly dispose of all soiled rags.



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If temperature is 60-70°F (16-21°C)	
<i>Allow product to stand after mixing</i>	
Start brushing (trimming edges):	30 minutes after mixing
Start rolling:	45 minutes after mixing
Use all mixed product within (pot life):	2 hours after mixing
Best time to paint is mid-afternoon (after 1 PM) to ensure best curing conditions and maximum pot life.	

If temperature is 71-80°F (22-27°C)	
<i>Allow product to stand after mixing</i>	
Start brushing (trimming edges):	10 minutes after mixing
Start rolling:	15 minutes after mixing
Use all mixed product within (pot life):	1.5 hours after mixing
Best time to paint is early morning (before 9 AM) to ensure best curing conditions and maximum pot life.	

If temperature is 81-85°F (27-29°C)	
Start brushing (trimming edges):	Immediately after mixing
Start rolling:	5-15 minutes after mixing
Use all mixed product within (pot life):	1 hour after mixing
Best time to paint is early morning (before 9 AM) to ensure best curing conditions and maximum pot life.	

TECHNICAL DATA

EPOXYSHIELD® WATER-BASED EPOXY GARAGE FLOOR COATING

PHYSICAL PROPERTIES

		WATER-BASED EPOXY GARAGE FLOOR COATING
Resin Type		Amine cured Epoxy
Pigment Type		Varies with color
Solvents		Ethylene Glycol Monopropyl Ether, Water
Weight*	Per Gallon	10.50-10.60 lbs.
	Per Liter	1.25-1.27 kg
Solids*	By Weight	62.6-63.3%
	By Volume	52.6-52.8%
Volatile Organic Compounds*		<100 g/l (0.80 lbs./gal.)
Mixing Ratio		3:1 Base to Activator by volume
Recommended Dry Film Thickness (DFT) per Coat		3.0-3.5 mils (75-87.5μ)
Wet Film to Achieve DFT (Unthinned material)		6.0-7.0 mils (150-175μ)
Theoretical Coverage at 1 mil DFT (25μ)		844-847 sq.ft./gal. (20.7-20.8 m ² /l)
Practical Coverage at Recommended DFT (assume 15% material loss)		Approximately 250 sq.ft./kit. (6.2 m ² /l)
Induction Period		Varies with temperature – See chart in directions
Pot Life @ 70-80°F (21-27°C) and 50% Relative Humidity		Varies with temperature – See chart in directions
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Foot Traffic	24 hours
	Vehicle Traffic	3 days
Shelf Life		5 years
Flash Point		>200°F (93°C) activated material
Safety Information		For additional information, see SDS

Calculated values may vary slightly from the actual manufactured material.

*Activated material.

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