



EPOXYSHIELD® BASEMENT FLOOR COATING

DESCRIPTION AND USES

EpoxyShield® Basement Floor Coating is a two-component, water-based epoxy designed for finishing concrete basement floors that are in good sound condition and are free of curing agents and sealers. EpoxyShield Basement Floor Coating will provide resistance to staining and wear. This solid color coating dries to a satin finish and can be used with or without decorative chips. It is not intended for use on unsound previous coatings or floors that have a moisture problem.

PRODUCTS

SKU	DESCRIPTION (Satin Finish)
391281	Tan
391282	Gray
391283	Tint Base

KIT CONTENTS

Floor Coating comes as a kit that includes:

- Part B Base 104 fl. oz. (3.08 liters)
- Part A Activator 16 fl. oz. (0.47 liters)
- Decorative chips – Additional chips in various color combinations can be purchased separately

PRODUCT APPLICATION

IMPORTANT: Read instructions carefully before starting your project.

SURFACE PREPARATION

Allow new concrete to cure for a minimum of 28 days. Thoroughly vacuum entire surface to be painted. All surfaces should be cured, firm, dry and thoroughly cleaned of all dust, dirt, oil, grease, wax, chalky or loose paint, efflorescence or any contaminant that may adversely affect the performance or adhesion of the coating. Remove any oil spots, grease or spills and wash the floor with a suitable detergent or degreasing solution and rinse. Then wash the floor using Rust-Oleum® Cleaner & Degreaser or Rust-Oleum Heavy-Duty Degreaser (sold separately). Allow the surface to completely dry before coating.

MOISTURE TESTING - New concrete should be allowed to cure for 30 days before application of any coating. If there is any doubt about the dryness of the concrete, conduct a test by simply taping a piece of 4 mil plastic sheet 18x18" on the bare concrete for 24 hours. Be sure to tape all four sides. After 24 hours, check the concrete for signs of moisture. The concrete substrate will be darker if damp. If moisture is found, allow additional drying time (10-14 days) and repeat the test.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

TESTING FOR SEALER - Check for curing compounds or other types of sealers by pouring a small amount of water onto the concrete. If water soaks in, the surface is suitable for coating. If water beads up on the concrete, the surface is not porous and a test application is warranted to ensure proper adhesion will develop. Sanding or mechanical abrading may be required if proper adhesion does not develop.

PREVIOUSLY COATED FLOORS - Previously coated floors need to be in good condition with proper adhesion to the concrete substrate. Check the adhesion of the previous coating by cutting a small X in the coating using a sharp razor knife. Firmly apply a piece of 5" duct tape over the center of the X cut, and then pull off with a fast snap. If more than 10% of the taped area is removed, the original coating is not bonded well and needs to be removed chemically or mechanically with a grinder. For best adhesion, scuff sand previously painted or coated floor using 80 grit sandpaper and clean with solvent such as acetone. Or use Rust-Oleum Concrete & Garage Recoat Primer (sold separately)

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.

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 Part B and mix for 3 minutes. Do not mix the color chips in with the coating. Allow the coating to stand 15 minutes before using. Mix again just prior to application. The activated coating must be used within 16 hours after mixing.



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PRODUCT APPLICATION (cont.)

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 Basement Floor Coating 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. **Any activated material must be used within 16 hours of initial mixing.**

PRODUCT APPLICATION (cont.)

DRY TIME

Surface should be ready for light foot traffic in about 8 hours and heavy items and normal foot traffic in about 24 hours. Temperature and humidity may affect actual dry times.

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 roller covers and soiled rags. Allow any unused product to harden in the container and discard according to local regulations.

LIMITATIONS

This is not a waterproofing product. If you have periodic damp or wet conditions in your basement, DO NOT USE this product, as the coating will not adhere properly.

	TECHNICAL DATA	ESH-08
	EPOXYSHIELD® BASEMENT FLOOR COATING	

PHYSICAL PROPERTIES

		BASEMENT FLOOR COATING
Resin Type		Amine Cured Epoxy
Pigments		Varies with color
Solvents		Propylene Glycol, Diethylene Glycol Monomethyl Ether, Texanol Ester Alcohol, Water
Weight*	Per Gallon	9.89 – 10.16
	Per Liter	1.19 – 1.22
Solids*	By Weight	42.1 – 45.9
	By Volume	32.3 – 35.0
Volatile Organic Compounds*		<100 g/L (0.82 lbs./gal)
Recommended Dry Film Thickness (DFT) Per Coat		3.0-3.5 mils (75-87.5μ)
Wet Film to Achieve DFT (Unthinned Material)		9.0-10.0 mils (225-250μ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		150-200 sq.ft./gal. (3.7-4.9 m²/l)
Induction Period		15 minutes
Pot Life at 70-80°F (21-27°C) and 50% Relative Humidity		16 hours
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Light Foot Traffic	8 hours
	Normal Foot Traffic	24 hours
Shelf Life		5 years
Flash Point		0°F (32°C)
Safety Information		For additional information, see SDS

Calculated values may vary slightly from the actual manufactured material.

*Activated material.

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