



EPOXYSHIELD® CLEAR FINISH FLOOR COATING KIT

DESCRIPTION AND USES

EpoxyShield® Clear Finish Floor Coating Kit is designed to provide excellent hardness, adhesion and durability on properly prepared concrete floors. EpoxyShield Clear Finish Floor Coating has excellent resistance to salt, oil, gasoline and other harsh chemicals.

EpoxyShield Clear Finish Floor Coating Kit is designed for enclosed garages ONLY. It is not intended for areas exposed to direct sunlight. DO NOT leave container in direct sunlight. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

KIT CONTENTS

- Instructions
- Anti-Skid Additive & Stir Stick
- 2-Part Burst Pouch

Items not supplied with the kit which need to be purchased separately:

- Roller Frame, Tray, 10mm Roller Cover
- Extension Pole
- Stiff Bristled Broom or Scrub Brush
- Squeegee (for the most effective cleaning and to speed drying)
- Paint Brush
- Heavy-Duty Degreaser
- Concrete Etch (for use on bare surfaces only)

Other optional items that may be needed include:

- Concrete Patch & Repair

PRODUCT FEATURES

- Drive on in 3 days
- No hot tyre pick up
- Excellent abrasion resistance
- Excellent chemical & water resistance
- ECO friendly
- Easy mix burst pouch
- High gloss
- Low odour & low VOC
- Two part Burst Pouch Technology
(U.S. Patent Number 8,381,903 B2)

PRODUCT

SKU	DESCRIPTION
374279	High Gloss Clear

PRODUCT APPLICATION

Moist Concrete - New concrete should be allowed to cure for 28 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 61cm x 61cm on the bare concrete for 24 hours. Be sure to tape all four sides. If water droplets form on the inside of the plastic or if the concrete appears wet (darker in colour), moisture is trapped in the floor and Rust-Oleum Moisture Stop should be used prior to applying the coating.

Sealed Concrete - Check for curing compounds or other types of sealers by dripping a small amount of water onto the floor. If water soaks in, the surface is suitable for coating. If water beads up on the concrete, this is an indication that a sealer is present which may prevent the coating from adhering properly. A test application is suggested to ensure proper adhesion will develop. Sanding or mechanical abrading may be required if proper adhesion does not develop.

Poorly Bonded Paint - Remove any loose paint by sanding and scraping; then test adhesion of the previously coated floor. Check the adhesion of the previous coating by cutting a small X in the coating down to the concrete using a sharp razor knife. Press a piece of 5" duct tape over the center of the X cut, and then pull off with one quick snap. If more than 25% of the paint comes off, **DO NOT** coat the floor with EpoxyShield until the old paint is completely removed.

If the previous coating is well adhered, de-gloss the surface using 40-80 grit sandpaper, vacuum the surface and wipe down using urethane grade MEK prior to application.

Loose/Damaged Concrete - If the concrete is loose or chipped, the coating will not perform properly. Repair damaged areas before applying EpoxyShield.

SURFACE PREPARATION

Remove oil spots with a scrub brush and an appropriate Heavy Duty Degreaser (sold separately). Scrub thoroughly, then rinse. Repeat as needed.

Use EpoxyShield Concrete Etch (sold separately) or Rust-Oleum Clean & Etch (sold separately) following manufacturer's instructions. (DO NOT add concrete etch directly to the coating). DO NOT use muriatic acid.

Pre-wet the entire floor using a hose; then remove the pooled water. Use a plastic watering can to evenly distribute the etch solution over a 3m x 3m section of floor. Scrub vigorously with a bristle brush to loosen dust and dirt. Keep the entire section wet until it has been etched and rinsed; then move to the next section.



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PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

Once completed, rinse and squeegee the entire floor to remove any traces of etch. DO NOT leave pooled water on the floor. Etch will not discolour driveways or harm grass or plants if rinsed thoroughly.

Rub your fingers over the dry floor. If dust or powder comes off on your fingers, repeat scrubbing and rinsing until the floor is clean. Allow the floor to dry completely. Note: if the floor is not thoroughly cleaned and rinsed, the coating may not adhere properly.

Note: Recently coated surfaces will need to be dry enough to allow foot traffic before applying the clear Finish. Allow a minimum of 24 hours dry time after coating with EpoxyShield Floor Coating before applying clear. Apply within 5 days to avoid sanding. Ensure the surface is clean and dry before applying.

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 YOUNG 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.

MIXING

MIX ONLY ONE POUCH AT A TIME. Both components and environment should be pre-conditioned to a minimum of 4°C prior to use. Be sure the air and surface temperatures are at least 5° above the dew point. Thoroughly mix the material in the pouch by shaking it back and forth and squeezing each side of pouch. **NOTE: EpoxyShield Clear Finish Topcoat must be applied within 5 days of EpoxyShield Garage Floor Coating.**

Combine the two components Part A and Part B by placing the pouch on the ground and rolling it from Part A side towards Part B. The pressure created by rolling the pouch will force the middle seal to burst, allowing the two components to mix together. Any clumps need to be massaged to break them up to ensure proper blending.

Thoroughly mix the materials by shaking the pouch back and forth and squeezing the edges and corners toward the center of the pouch. Mix for 2-3 minutes. The product is activated and must be applied within 1 hour. Once the material is thoroughly mixed, use scissors to cut a corner off the pouch and pour into a roller tray. **Note:** Coated concrete produces a smoother surface and can become slippery when wet. For a slip-resistant surface, add the included Anti-Skid Additive prior to application.

PRODUCT APPLICATION (cont.)

APPLICATION

Apply only when air, material and floor temperatures are between 10-32°C. Extreme cold application temperatures may slow the cure time. **Do not apply in direct sunlight.** Do not coat the floor if it is raining or if extremely damp conditions exist. The concrete surface must be completely dry at the time of the application to achieve proper adhesion.

For brushing, use a good quality synthetic brush to trim the edges (if desired). For rolling, use a 10mm nap roller cover and 23cm roller frame to apply the coating evenly to the floor in a "M" and "W" pattern in 1.2m x 1.2m sections. Keep a wet edge to prevent lap marks or gloss differences. **Do not apply thicker than recommended or allow to pool.** The product must be used within the pot life indicated or gloss may appear uneven.

If using anti-skid additive, pour the mixed clear coating into a clean plastic gallon pail. Add the anti-skid slowly while mixing with a stir stick. Mix thoroughly until the additive is evenly dispersed. **Note:** Some settling of the anti-skid will occur. Anti-skid additive near the bottom of the can is normal. Stir frequently during use to minimize settling. If applying more than one coat, mix anti-skid additive into the final topcoat. Repeat mixing and application process for each additional pouch.

DRY AND RECOAT TIMES

Dry times are based on 21°C and 50% relative humidity. Temperature and humidity may affect the drying time. The surface should be ready for light foot traffic in 12-16 hours and normal foot traffic in 24-48 hours. The surface is drive ready in 3 days.

CLEAN-UP

Tools and mixing equipment can be cleaned with acetone or MEK solvents. Allow brushes, rollers and any unused product to harden and dispose according to local regulations.

	TECHNICAL DATA	ESH-49
	EPOXYSHIELD® CLEAR FINISH FLOOR COATING KIT	

PHYSICAL PROPERTIES

CLEAR FINISH FLOOR COATING KIT		
Resin Type		Amine Cured Epoxy
Pigment		None
Solvent		Benzyl Alcohol
Weight	Per Gallon	8.96 lbs.
	Per Liter	1.07 kg
Solids	By Weight	100%
	By Volume	100%
Volatile Organic Compounds		<75 g/l
Mixing Ratio		5:3 Base : Base to Activator by Volume
Pot Life @ 21-27°C & 50% Relative Humidity		60 minutes
Recommended Dry Film Thickness (DFT) per Coat		2.5-5.0 mils (62.5-125µ)
Wet Film to Achieve DFT (unthinned material)		2.5-5.0 mils (62.5-125µ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		19-23m ² /kit on bare concrete 42-46m ² /kit on painted surfaces
Dry Times @ 21-27°C and 50% Relative Humidity†	Light Foot Traffic	12-16 hours
	Heavy Foot Traffic	24-48 hours
	Vehicle Traffic	3 days
Shelf Life		5 years
Flash Point		93°C
Safety Information		For additional information, see SDS

Calculated values are shown and may vary from the actual manufactured material.

† Dry times will be increase if temperatures are less than 13°C.

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