



**EPOXYSHIELD®
STAIN ADDITIVE FOR LOW VOC
PREMIUM CLEAR**

DESCRIPTION AND USES

EPOXYSHIELD® Stain Additive kit is designed to be mixed with the EPOXYSHIELD® 263997 Low VOC Premium Clear Floor Coating kit to create a high performance finish with a professional look. The Low VOC Premium Clear Floor Coating is a two-component epoxy coating designed to provide excellent wear, impact, and abrasion resistance to heavy foot and vehicle traffic. The Stain Additives are NOT stand alone coatings and must be mixed with EPOXYSHIELD® 263997 Low VOC Premium Clear Floor Coating kit.

For use in covered areas only. Not intended for carports or areas exposed to direct sunlight. Prolonged exposure to direct sunlight will cause the coating to fade with age. These changes are cosmetic in nature only, and the performance of the coating will not be affected.

PRODUCTS

- 263999 Charcoal
- 264001 Rustic Brown
- 264006 Black Walnut

APPEARANCE

Semi-transparent finish.

PACKAGING INCLUDES

- Stain Additive
- Application Tools
- Instructional DVD
- Instructional Sheet
- Concrete Etch

PRODUCT APPLICATION

SURFACE PREPARATION

Allow new concrete to cure for a minimum of 28 days. Check the garage floor for conditions that might interfere with proper adhesion (see directions sheet). Remove any oil spots or spills and wash the floor with EPOXYSHIELD® Heavy Duty Degreaser or a suitable detergent or degreasing solution. Thoroughly rinse with fresh water. Then etch the floor using Rust-Oleum® Concrete Etch.

PRODUCT APPLICATION (CONT.)

For best results when using the Concrete Etch, the concrete should be damp, but free of puddles. Mix the entire contents of the Concrete Etch granules with 2 gallons (3.79 l) of water. Do not add Concrete Etch directly to paint. Use a plastic sprinkling can to evenly distribute the Concrete Etch solution. Scrub the floor with a stiff bristle brush and make sure the floor stays wet during this process until you are ready to rinse. Pay special attention to the area where the vehicle tires normally stand. Continue to scrub while rinsing to ensure all contaminates are washed away. Squeegee off excessive water or puddles and allow to dry.

For best results, clean 10x10 foot (3x3 meters) sections at a time. Completely wash, rinse, and squeegee each section before moving on to the next. When all the sections have been completed in this manner, then re-rinse and squeegee the entire floor. When the floor is dry, rub your fingers on the concrete and check for a white film. If a white dust or powder is detected, then repeat the rinsing process being sure to thoroughly scrub during the rinse. Once the concrete is free of surface residue, you are ready to begin application of the coating. All pilot lights or open flames in the area must be extinguished due to the flammability of the solvents in the coating. Pilot lights or open flames must remain extinguished for a minimum of 24 hours following application of the EPOXYSHIELD® Premium Clear coating.

PREVIOUSLY COATED FLOORS:

Make sure the floor is clean and dry. The EPOXYSHIELD® Low VOC Premium Clear coating is designed for use over the EPOXYSHIELD® Garage Floor finish or EPOXYSHIELD® Professional finish. The EPOXYSHIELD® Low VOC Premium Clear coating can be applied over the Garage Floor finish after 24 hours. The EPOXYSHIELD® Low VOC Premium Clear coating can be applied over the Professional Floor finish between 16 hours and 5 days. For other previous coatings, 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

Before you activate the coating, prepare the roller cover. For this project, use a 3/8" nap roller cover. First insert the roller cover into the plastic bag provided with the kit. Secure the bottom of the bag to the roller cover with a rubber band. While holding the roller cover in one hand, with the other hand slightly twist the plastic bag around the roller cover. Use another rubber band to secure the other end of the bag. Use a third rubber band to secure the center of the bag to the roller cover. None of the rubber bands should be secured too tightly, twisting over only 2 or 3 times. If the bag is too tight, the creases on the roller cover will be visible on the floor. Finally, tuck the remaining part of the bag into the open end of the roller cover and while holding the roller cover to keep the bag from tightening, insert the roller frame.

Pour the entire stain additive (Part C) into the base (Part B) and stir thoroughly for 2 minutes. To activate the mixture, pour the entire activator (Part A) into the mixture and stir thoroughly for 2 minutes. If using the anti-slip additive (recommended), it should be added slowly and thoroughly mixed at this time. The activated coating must be used within 90 minutes after mixing.

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%. The minimum floor temperature for painting is 55°F (13°C). Apply in the mid-afternoon or later when temperatures are declining and the surface to be coated is not in direct sunlight. Pour a portion of the admixed material into a lined paint pan. Immediately begin to 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 the prepared 3/8" nap roller cover on a 9" roller frame to apply an even coat of EPOXYSHIELD® Low VOC Premium Clear Coating onto the surface. Limit the application to 4x4 foot (1.2x1.2m) sections at a time. Maintain a wet edge to prevent lap marks and gloss variations. Make all final passes in the same direction to ensure uniform appearance. If using the anti-slip additive, continue to stir the admixed material periodically to ensure additive does not settle in the pan. Only one coat is necessary under most circumstances. EPOXYSHIELD® Low VOC Premium Clear must be used within 90 minutes following initial mixing to ensure even gloss.

PRODUCT APPLICATION (CONT.)

CLEAN-UP

When finished, wash tools and equipment with xylene or acetone. Clean up drips or spatters IMMEDIATELY with xylene or acetone as dried paint is very difficult to remove. Properly dispose of all soiled rags.

TECHNICAL DATA

EPOXYSHIELD® STAIN ADDITIVE FOR LOW VOC PREMIUM CLEAR

PHYSICAL PROPERTIES

		STAIN ADDITIVE KIT
Resin Type		Amine cured epoxy
Solvents		Methyl Acetate
Weight*	Per Gallon	9.1-9.4 lbs.
	Per Liter	1.09-1.13 kg
Solids*	By Weight	71.4-82.3%
	By Volume	72.2-79.5%
Volatile Organic Compounds*		<50g/l (0.42 lbs/gal)
Mixing Ratio		8 oz. stain additive per 120 oz. clear base
Recommended Dry Film Thickness (DFT) Per Coat		2.0-5.0 mils (50-125μ)
Wet Film to Achieve DFT (Unthinned Material)		3.0-7.0 mils (75-175μ)
Theoretical Coverage at 1 mil DFT (25μ)		1158-1275 sq.ft./gal (28.0-31.0 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		500 sq.ft./gal. (23 m ² /l) painted surfaces 250 sq.ft./gal. (46 m ² /l) bare concrete
Induction Period		None
Pot Life @ 70-80°F (21-27°C) and 50% Rel. Hum.		90 minutes
Dry Times at 70-80°F (21-27°C) and 50% Rel. Hum.	Lt. Foot Traffic	10 hours
	Hv. Foot Traffic	24 hours
	Vehicle Traffic	4 days
Shelf Life		2 years
Safety Information	Flash Point	32°F (0°C)
	Safety	FOR ADDITIONAL INFORMATION, SEE MSDS.

Calculated values may vary slightly from the actual manufactured material.

*Activated material.

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