RUST-OLEUM EPOXYSHIELD

EPOXYSHIELD®
SOLVENT-BASED PREMIUM CLEAR COATING

DESCRIPTION AND USES

EPOXYShield® Solvent-based Epoxy Premium Clear Coating is a two component, high solids epoxy coating. It is designed for application to bare concrete floors to provide excellent adhesion, durability, and chemical resistance. It can also be used as a clear finish over previously coated concrete floors. It is not intended for use outdoors or on unsound previous coatings or floors that have a moisture problem.

PRODUCTS

269226 Premium Clear

APPEARANCE

Gloss transparent finish.

PACKAGING INCLUDES

Floor Coating comes as a kit
269223 Part B: Base – 2.4 liters (80 fluid ounces)
269225 Part A: Activator – 1.2 liters (40 fluid ounces)
225398 Anti-skid Additive – 303 grams (10.7 ounces)

PRODUCT APPLICATION

SURFACE PREPARATION

Allow new concrete to cure for a minimum of 28 days. Remove any oil spots, grease 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 or Rust-Oleum® 108 Clean & Etch. All pilot lights or open flames in the area must be extinguished due to the flammability of the solvents in the coating.

PRODUCT APPLICATION (cont.)

PREVIOUSLY COATED FLOORS: This coating is designed for use over the EPOXYShield® Garage Floor Finish or EPOXYShield® Professional Finish. EPOXYShield® Premium Clear Coating can be applied over the Garage Floor Finish after 24 hours. The EPOXYShield® 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.

Form: CS2101
Rev.: 031113

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 Part B and mix for 3 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

Pilot lights or open flames must remain extinguished for a minimum of 24 hours following application of the EpoxyShield® Premium Clear Coating. Apply only when air, material, and surface temperatures are between 15-29°C (60-85°F) and the surface temperature is at least 3°C (5°F) above the dew point. The relative humidity should not be greater than 85%. The minimum floor temperature for painting is 13°C (55°F). 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 a synthetic 10mm (3/8") nap roller cover on a 24cm (9.5") roller frame to apply an even coat of EpoxyShield® Premium Clear Coating onto the surface. Limit the application to 1.2x1.2m (4x4 foot) 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® Premium Clear must be used within 90 minutes following initial mixing to ensure even gloss.

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.

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TECHNICAL DATA

EPOXYSHIELD® SOLVENT-BASED PREMIUM CLEAR COATING

PHYSICAL PROPERTIES

		SOLVENT-BASED PREMIUM CLEAR COATING
Resin Type		Amine cured epoxy
Solvents		Oxsol100, Methyl Acetate
Weight	**Per Gallon**	9.0 lbs.
	per Liter	1.1 kg
Solids	**by Weight**	77.5%
	by Volume	76.0%
Volatile Organic Compounds*		<100 g/l (0.83 lbs./gal.)
Mixing Ratio		2:1 Base to Activator (by volume)
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)		1,219 sq.ft./gal. (30.0 m^2/l)
Practical Coverage at Recommended DFT (assume 15% material loss)		23 m^2/l. (500 sq.ft./gal) on painted surfaces. 46 m^2/l (250 sq.ft./gal) on bare concrete
Induction Period		None
Pot Life @70-80ºF (21-27ºC) and 50% Relative Humidity		90 minutes
Dry Times at 70-80°F (21-27ºC) and 50% Relative Humidity	**Lt. Foot Traffic**	10 hours
	Hv. Foot Traffic	24 hours
	Vehicle Traffic	4 Days
Shelf Life		5 years
Safety Information	**Flash Point**	Base Component: -1°C (31°F) • Activator Component: 112°C (234°F)
	Contains	—
	Warning!	**FOR ADDITIONAL INFORMATION, SEE MSDS..**

Calculsted values may vary slightly from the actual manufactured material.
*Activated material.