EPOXYSHIELD® SOLVENT-BASED PROFESSIONAL FLOOR COATING

DESCRIPTION AND USES

EPOXYShield® Solvent-based Epoxy Professional Floor Coating is a two component, high solids, epoxy coating designed for high traffic areas on concrete floors in mild to moderate environments. It can be used on primed steel decking or previously coated floors which are in good sound condition. It is not intended for use on unsound previous coatings or floors that have a moisture problem.

PRODUCTS

203373	Silver Gray Semi-Gloss
238466	Dunes Tan Semi-Gloss
238467	Dark Gray Semi-Gloss
238468	Tile Red Semi-Gloss

APPEARANCE

Semi-gloss finish. Solid base color with a color fleck finish.

PACKAGING

Professional Floor Coating is available as a 2-gallon kit
1-gallon Part B: Base – 128 fluid ounces (3.785 liters)
1-gallon Part A: Activator – 128 fluid ounces (3.785 liters)
1-bag Decorative chips

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 a suitable detergent or degreasing solution and rinse.

The concrete must be free of curing agents or sealers. Etch the floor with Concrete Etch. Test for a sealer by lightly sprinkling water on the surface of the concrete. If the water droplets bead up rather than soak into the concrete, then there is some type of sealer present. The sealer will have to be removed by alternate method of surface preparation, such as sanding or grinding.

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 sanding or grinding. 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. Pour the entire contents of Part B Base into a clean 5-gallon pail. Then pour the entire contents of Part A activator into the pail. It is critical to add all of Part A to Part B and mix for 2-5 minutes. Power mixing is preferred. Do not mix the color chips in with the coating. Allow the coating to stand for 30 minutes before using at temperatures of 55-70°F (13-21°C) or 20 minutes if the temperatures are between 71-80°F (22-27°C). Mix again just prior to application. The activated coating must be used within 2 hours after mixing based on temperature.

APPLICATION

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® Professional Floor Coating. Apply only when air, material, and surface temperatures are between 55-90°F (13-32°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%. 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 3/8" nap roller cover on a 9" roller frame to apply an even coat of EPOXYShield® Professional 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 film. Then continue on to the next section. Note: Fresh paint can be applied over the loose chips that lay outside the previously painted area. Maintain a wet edge to prevent lap marks and gloss variations. Make all final passes in the same direction to ensure uniform appearance. Use bright lighting to ensure proper coverage. 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® Professional Floor Coating must be used within 2 to 5 hours following initial mixing depending on temperature and size of the mixture.

CLEAN-UP

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

If temp is 55-70°F (13-21°C)	
Start rolling:	30 minutes after mixing
Use all mixed product within (pot life):	120 minutes after mixing

If temp is 71–80˚F (22–27˚C)	
Start rolling	20 minutes after mixing
Use all mixed product within (pot life):	90 minutes after mixing

If temp is 81–90˚F (27–32˚C)	
Start rolling	10 minutes after mixing
Use all mixed product within (pot life):	60 minutes after mixing

TECHNICAL DATA

EPOXYSHIELD® SOLVENT-BASED PROFESSIONAL FLOOR COATING

PHYSICAL PROPERTIES

		SOLVENT-BASED PROFESSIONALFLOOR COATING
Resin Type		Amine cured epoxy
Pigment Type		Varies with color
Solvents		N-Butanol, Methyl Isobutyl Ketone, Xylene
Weight*	**Per Gallon**	12.1-12.4 lbs.
	Per Liter	1.4-1.5 kg
Solids*	**By Weight**	82.5-84.7%
	By Volume	69.1-72.1%
Volatile Organic Compounds*		<250 g/l (2.08 lbs./gal.)
Mixing Ratio		1:1 Base to Activator (by volume)
Recommended Dry Film Thickness (DFT) per Coat		3.5-5.0 mils (87.5-125µ)
Wet Film to Achieve DFT (Unthinned material)		5.0-7.0 mils (125-175µ)
Theoretical Coverage at 1 mil DFT (25µ)		1,108-1,156 sq.ft./gal. (27.2-28.4 m^2/l)
Practical Coverage at Recommended DFT (assume 15% material loss)		200-300 sq.ft./gal. (4.9-7.4 m^2/l)
Induction Period		30 minutes @ 70-85°F (21-30°C) 60 minutes @ 60-70°F (15-21°C)
Pot Life @70-80ºF (21-27ºC) and 50% Relative Humidity		Varies with temperature and gallons mixed– See chart in directions
Dry Times at 70-80°F (21-27ºC) and 50% Relative Humidity	**Lt. Foot Traffic**	16 hours
	Heavy Ft. Traffic	24 hours
	Vehicle Traffic	4 days
Shelf Life		5 years
Flash Point		Base Component 80°F (27°C) – Activator Component 40°F (4°C)
Safety Information		FOR ADDITIONAL INFORMATION, SEE MSDS.

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

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RUST-OLEUM BRANDS

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 877•385•8155
www.rustoleum.com

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