



INDUSTRIAL LUMINESCENT ANTI-SLIP FLOOR COATING

DESCRIPTION

A photoluminescent, water-based industrial acrylic copolymer floor finish. Produces a non-slip finish.

Use as a safety coating on floors to mark safe egress routes when lighting goes out due to power loss.

This water-based coating provides low odor application and easy soap and water clean-up.

APPEARANCE

Flat finish glows green in the dark.

PRODUCTS

223889	Safety Yellow
223890	Luminescent Green
237832	Anti-Slip Additive

PACKAGING

1 gallon kit contains 1 gallon of coating and a separate package of anti-slip additive.

PRODUCT APPLICATION

SURFACE PREPARATION

Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with 3599 Industrial Pure Strength® Cleaner/Degreaser, commercial detergent or other suitable cleaning method. Rinse thoroughly and immediately and allow to fully dry. Thoroughly cured, hard or gloss existing coatings which are very smooth may require scuff sanding to maximize adhesion.

MIXING

Thoroughly stir material prior to use to ensure all of the photoluminescent pigment is completely dispersed. Then mix in the anti-slip additive.

Stir material periodically during application.

APPLICATION

Do not apply Glowmax Floor Coating directly on bare concrete or other uncoated substrate. It must be applied over a white finish in order to display intended glow in the dark performance. If needed, consult with your Rust-Oleum representative or Rust-Oleum Technical Service for a suitable white base coat. Apply only when the air and surface temperatures are between 50-100°F (10-38°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%. Extremely high or low relative humidity can effect dry times and the final gloss of the coating.

Two coats are required. Do not exceed the recommended film thickness per coat.

EQUIPMENT RECOMMENDATIONS

BRUSH/ROLLER: Use good quality synthetic brush or short nap roller cover (1/4-3/8").

THINNING

No thinning is needed.

CLEANUP

Soap and water

**TECHNICAL DATA****INDUSTRIAL LUMINESCENT ANTI-SLIP FLOOR COATING****PHYSICAL PROPERTIES**

		GLOW IN THE DARK FLOOR COATING
Resin Type		Acrylic Copolymer Dispersion
Pigment Type		Doped silico aluminate
Solvents		Water and methyl carbitol
Weight	Per Gallon	11.6 lbs.
	Per Liter	1.4 kg.
Solids	By Weight	62%
	By Volume	46%
Volatile Organic Compounds		<250 g./l. (2.08 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.5 mils (37-62μ)
Wet Film to Achieve DFT		3.5-5.5 mils (87.5-137.5μ)
Theoretical Coverage at 1 mil DFT (25μ)		735 sq. ft./gal. (18.1 m ² /l.)
Practical Coverage at Recommended DFT (assumes 15% material loss)		250-415 sq. ft./gal. (6.1-10.2 m ² /l.)
pH		8.0-9.0
Dry Times at 70-80°F (21-27°C) and 50% rel. hum.	Tack-free	1-2 hours
	Handle	2-4 hours
	Recoat	1-3 hours
Dry Heat Resistance		200°F (93°C)
Shelf Life		3 years (protect from freezing)
Excitation Requirements		Exposure to a light source is required to achieve photo luminescent properties. The amount of exposure time will vary depending on the type of light source and intensity. A minimum of 15 minutes of exposure to 28 foot candles of illumination, or 5 minutes at 93 foot candles, is required to meet the ASTM standard. In areas with lower lighting conditions a longer exposure period may be required to achieve maximum photo luminescent performance.
Brightness Rating		When applied in accordance to application directions, this coating meets the requirements of ASTM E2072 Section 4 for photoluminescent safety marking. Minimum results: 20 mcd/m ² at 10 minutes, and 2.8 mcd/m ² at 60 minutes
Specification and Performance Alternatives		These products can be used in USDA regulated facilities based on FSIS Directive 11,000.4 (Rev. 1) November 24, 1995
Safety Information	Flash Point	>200°F (93°C) Setflash
	Contains	No lead has been deliberately added
	Warning!	PROTECT FROM FREEZING. WARNING. HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION