SAFETEX™

RUST-OLEUM AS9100 SYSTEM
ANTI-SLIP HIGH PERFORMANCE EPOXY

DESCRIPTION AND USES

Rust-Oleum® AS9100 System Anti-slip High performance Epoxy is a vehicular grade two-component epoxy designed for application on concrete or metal in slippery areas subject to foot or heavy vehicle traffic. Use on ramps, walkways, loading docks or wherever an extremely tough anti-slip finish is desired.

This product complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

MPI #82 Certified (Refer to the MPI website for the most current listing of MPI certified products.)

APPEARANCE

Flat, textured, anti-slip finish

PRODUCTS

DESCRIPTION	SKU
Safety Yellow	AS9144425
Silver Gray	AS9182425
Tile Red	AS9168425
Navy Gray	AS9186425
Dunes Tan	AS9171425

PACKAGING

Packaged and sold in a 2 component pre-measured 1-gallon kit.

RECOMMENDED PRIMER

For metal substrates, use 9100 System DTM Epoxy Mastic with 9101 Activator.

PRODUCT APPLICATION

SURFACE PREPARATION

NEW, UNCOATED CONCRETE: Remove oil, dirt, grease and other chemical contaminants by cleaning with Krud Kutter® Original Cleaner Degreaser, detergent, or other suitable cleaner. Rinse with water. Etch concrete with 108 Cleaning & Etching Solution. Rinse thoroughly, and allow to dry.

New concrete should be allowed to cure for 30 days before application of any coating. If there is any doubt about the dryness of the concrete, conduct a test by simply placing a weighted rubber mat, plastic sheet or other nonporous material on the surface for 24 hours. Check the underside of the mat and concrete for signs of moisture. The substrate will be darker if damp. If moisture is found, allow additional drying time (10-14 days) and repeat test. If moisture persists, the concrete surface cannot be coated.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

NEW, UNCOATED CONCRETE (cont.): Very dense, nonporous or chemically treated concrete may require abrasive blasting to assure proper coating adhesion. Determine porosity by pouring one ounce of water onto the concrete. If water soaks in, the surface is porous enough for coating. If water beads up on the concrete, the surface is not porous and treatment is warranted. The presence of laitance (fine white particles) will also require abrasive blasting or abrading to assure removal.

PREVIOUSLY COATED CONCRETE: Remove loose dirt, dust and paint by sweeping or vacuuming. Remove grease, oil, floor compound or wax as indicated above under **new, uncoated concrete**. Very glossy or hard coatings should be lightly sanded to insure maximum adhesion. Concrete floor areas which require patching should be free of dirt, oil, grease, and other chemical contaminants as indicated above under **new, uncoated concrete**. Loose cement and deteriorated previous paint should be removed by Hand Tool or Power Tool cleaning. The 5499 Concrete Patching Compound can then be trowel applied and allowed to cure 4 hours before applying a coating.

METAL: Remove oil, dirt, grease and other chemical contaminants by cleaning with Krud Kutter Original Cleaner Degreaser, detergent, or other suitable cleaner. Rinse thoroughly with water and allow to dry. Loose rust, mill scale and deteriorated previous coatings must be removed by Hand Tool (SSPC-SP-2) or Power Tool (SSPC-SP-3) cleaning. A brush-off abrasive blast (SSPC-SP-7) may be used as an alternative to scraping and wire brushing. Heavily rusted areas may require a Commercial Grade Blast (SSPC-SP-6) to ensure maximum coating performance. Prime the surface with 9100 System DTM Epoxy Mastic (must use the 9101 Activator). Allow 16-72 hours for the system to cure. Apply the desired AS9100 System finish coat.

APPLICATION

Apply only when air and surface temperatures are between 50-100°F (10-38°C) and surface is at least 5°F above the dew point. Mix base component with mechanical mixer using a Hanson mixing blade until any settled material is lifted off the bottom of the can and the material assumes a uniform appearance. Pour contents of AS9100 activator can into the base component container. Mix thoroughly for 3-5 minutes until AS9100 activator is uniformly dispersed. Hand mixing is not adequate and may result in improper or inadequate cure.

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PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

Use of a phenolic core roller (Rust-Oleum roller #6697) will expose the maximum amount of anti-slip aggregate, resulting in a highly ridged, irregular profile. If this is not achieved, the coating may become slippery when wet. Pour the product on the surface in a stripe approximately 2' long and 6" wide. Roll material in one direction only, pulling material toward you in slow straight strokes with a moderate amount of pressure. **DO NOT** over-roll or press down too heavily on the roller in an attempt to create a smooth appearance; this will adversely affect the creation of the appropriate ridged profile and the desired anti-slip characteristics. Roll across welds, not along them. Material applied too thickly may not properly cure. Dry time may be adversely affected by extremely high or low temperature or high relative humidity. Protect applications from moisture for 12 to 24 hours after application, protect from heavy or extended exposure to water, oil and chemicals for 5-7 days.

CLEANUP

Use 160 Thinner for cleanup only. Do not thin this product.

SURFACE MAINTENANCE

Maintain a clean surface to ensure that the anti-slip safety performance is maximized.

For general purpose cleaning, use Krud Kutter Original Cleaner Degreaser, detergent, or other suitable cleaner. Scrub the surface with a stiff-bristled brush, broom, or use a floor machine. Rinse with clean water and allow to dry. Periodic touch up may be necessary in heavy traffic areas.

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PHYSICAL PROPERTIES

		AS9100 SYSTEM ANTI-SLIP HIGH PERFORMANCE EPOXY
Resin Type		Polyamine Converted Epoxy
Pigment Type		Varies with color
Solvents		Xylene, Propylene Glycol Monomethyl Ether
Weight*	**Per Gallon**	14.1-15.2 lbs.
	Per Liter	1.7-1.8 kg
Solids*	**By Weight**	78-80%
	By Volume	60-62%
Volatile Organic Compounds*		<250 g/l (2.08 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		17-25 mils (425-625µ)
Wet Film to Achieve DFT		27-40 mils (675-1,000µ) unthinned material Note: film thickness may be difficult to determine because of ridged profile
Practical Coverage at Recommended DFT (assumes 15% material loss)		40-60 sq.ft./gal. (1.0-1.5 m^2/l)
Coefficient of Friction per ASTM-E303		Dry: 1.4; Wet: 1.21
Mixing Ratio		9.6:1 base to activator (by volume)**
Induction Period		None
Pot Life @ 70-80°F & 50% Relative Humidity		4 hours
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	**Light Traffic**	12 hours
	Heavy Traffic	72 hours
Shelf Life		5 years (unopened containers)
Flash Point		81°F (27°C) Seta flash
Safety Information		For additional information, see SDS

* Activated material
**Use only AS9100 Activator with AS9100
Calculated values are shown and may vary slightly from the actual manufactured material.