

RUST-OLEUM®

AS5400 SYSTEM

ANTI-SLIP ONE STEP EPOXY

DESCRIPTION AND USES

Rust-Oleum® AS5400 System is a single-component epoxy-based anti-slip floor coating designed for use on concrete floors, aisles, walkways, stairs, areas around machinery, or doorways subject to heavy foot or light vehicle traffic, where a coarse anti-slip safety finish is desired.

It may also be used on metal stairs or other metal surfaces where safety is a concern. Its ridged profile offers aggressive anti-slip characteristics in a one-component, one-step application.

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.

APPEARANCE

Flat, textured, anti-slip finish

PRODUCTS

Description	One Gallon	Five Gallon
Safety Yellow	AS5444	289378
Dunes Tan	AS5471	----
Silver Gray	AS5482	289376
Tile Red	AS5468	----
Black	AS5479	289377
Navy Gray	AS5486	----

RECOMMENDED PRIMER

For metal substrates, use 9100 System DTM Epoxy Mastic.

PRODUCT APPLICATION

SURFACE PREPARATION

NEW, UNCOATED CONCRETE: Remove oil, dirt, grease and other chemical contaminants by cleaning with Pure Strength 3599 Industrial 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.)

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 vacuum cleaning. Remove grease, oil, floor compound or wax with Pure Strength® 3599 Industrial Cleaner/Degreaser. Rinse with water and allow to dry.

PREVIOUSLY COATED WITH AS5400: Clean with Pure Strength® 3599 Industrial Cleaner/Degreaser. Rinse with water and allow to dry.

METAL: Remove oil, dirt, grease and other chemical contaminants by cleaning with Pure Strength 3599 Industrial 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 AS5400 System finish coat.

APPLICATION

Apply only when air and surface temperatures are between 50-100°F (10-38°) and surface is at least 5°F above dew point. Thoroughly mix contents of the can with a mechanical mixer, such as a pneumatic drill motor with a Hanson mixing blade, until mixed material assumes a uniform color and appearance. Use of a phenolic core roller, such as Rust-Oleum roller 6697005, 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.



TECHNICAL DATA

AS5400 SYSTEM ANTI-SLIP ONE STEP EPOXY

PRODUCT APPLICATION (cont.)

Pour the product on the surface in a long 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 high or low temperatures or high relative humidity. Protect applications from moisture for 12 to 24 hours. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days.

PRODUCT APPLICATION (cont.)

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 3500 System Pure Strength 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.

**TECHNICAL DATA****AS5400 SYSTEM ANTI-SLIP ONE STEP EPOXY****PHYSICAL PROPERTIES**

		AS5400 SYSTEM ANTI-SLIP ONE STEP EPOXY
Resin Type		Epoxy Ester
Pigment Type		Varies with color
Solvents		Xylene and Propylene Glycol Monomethyl Ether
Weight	Per Gallon	12.2-13.2 lbs.
	Per Liter	1.46-1.58 kg
Solids	By Weight	70.9-72.4%
	By Volume	48.6-49.2%
Volatile Organic Compounds		Less than 340 g/l (2.8 lbs/gal)
Recommended Dry Film Thickness (DFT) Per Coat		16-20 mils (400-500 μ)
Wet Film to Achieve DFT		32-40 mils (800-1,000 μ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		40-50 sq.ft./gal (0.98-1.23 m ² /l) NOTE: coverage will be reduced when applying over porous concrete.
Coefficient of Friction		Dry: 1.17, Wet: 1.00
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Heavy Traffic	24 hours
	Recoat	Minimum of 12 hours
Shelf Life		2 years minimum. (A partially used container may be resealed and saved for future use.)
Flash Point		81°F (27°C)
Safety Information		For additional information, see SDS

Calculated values are shown and may vary slightly from the actual manufactured material.

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