

AS-2500 100% SOLIDS TWO COMPONENT EPOXY ANTI-SLIP FLOOR AND DECK COATING

DESCRIPTION

AS-2500 is a 100% reactive, solvent-free, two component epoxy anti-skid coating for concrete, wood and metal surfaces.

AS-2500 provides superior resistance to chemicals and wear while providing safer footing and traction for rolling equipment. Its solventless character allows its use in odor sensitive applications such as wineries, food processing facilities, hospitals and confined areas.

Fire retardant in the cured state, AS-2500 resists fire, most acids, alkalies, solvents, grease, oil, salt water, detergents, alcohol, gasoline, jet fuels, cellulube and other hydraulic fluids. Refer to American Safety Technologies Chemical Resistance Table for detailed performance data.

SURFACE PREPARATION

Apply AS-2500 to clean, dry surfaces only. Remove all paint, rust and mill scale preferably by steel-shot or grit-blasting to SA2.5 (near white metal) or SSPC-SP10, and prime with solvent based MS-5C Primer. Remove oil, grease, dirt, wax, etc. by dissolving in a water-based cleaner/degreaser such as LPS Precision Clean available from American Safety Technologies.

Porous surfaces such as concrete and wood should be primed using solvent free EP-100 Primer or with PS-100 WB Primer/Sealer. New concrete should be wet cured for at least three days and allowed to dry with good ventilation for an additional 30 days.

Consult surface preparation sheets from American Safety Technologies for more detailed preparation procedures.

APPLICATION

AS-2500 is designed to be applied over a primer.

1. Pre-mix base component with a mechanical mixer such as a pneumatic drill motor with a jiffy mixing blade. Make sure all settlement is lifted off the bottom of the container and is uniformly dispersed in the material.
2. Pour entire contents of hardener can into base material. Mix hardener and base material with a mechanical mixer such as a pneumatic drill motor with a jiffy mixing blade for approximately 3-5 minutes or until mixed material assumes a uniform color and appearance. Apply material immediately. No induction time is required.
3. Working pot life is approximately 1 hour at 70°F. Pot life is increased at lower temperatures and decreased at higher temperatures.
4. AS-2500 can be applied at surface temperatures between 50°F and 120°F. Application is not recommended when surface temperature is above 120°F or below 50°F, curing time will be increased substantially.
5. AS-2500 can be applied by roller, trowel or spray equipment.

APPLICATION TECHNIQUES

SPRAY

Sprayed applications will result in a uniform appearance with good anti-slip characteristics.

1. Specialized mastic type spray equipment is required. A recommended set-up is as follows.
 - a. A 5-gallon bottom outlet pressure tank equipped with a double regulator and an air driven agitator, and 1" I.D. outlet pipe.
 - b. 25 feet of 3/8" air hose with 3/8" female connectors at each end.
 - c. 25 feet of 3/4" material hose with 3/4" female connectors at each end.
 - d. A Binks Model 7E2 spray gun equipped with 1/4" internal air cap or a Binks Model 52-2012 (4 foot) pole gun equipped with the same fluid nozzle and air nozzle.
2. Minimum air supply required is 20 CFM at 90 lbs. pressure. Recommended pressure is 15-20 psi on material and 20-25 psi on atomization. Always keep atomization air pressure higher than pot pressure. Keep agitator running slowly. Good coverage and film thickness will be obtained working at 18" or 24" distance from surface. Overlap strokes about 50%. Make sure of wet application. Very little abrasive rebound will be noticed at 15 psi; however, it will be more noticeable at higher pressures.

4. When temperature is above 80°F, it is advisable to flush the spray equipment with epoxy solvents every hour or so in order to prevent the possibility of any material setting up and plugging the equipment.

TROWEL

Trowelled applications provide excellent anti-slip characteristics with a rough, textured surface.

1. Use a flexible bladed plasterer's finishing trowel approximately 4 inches by 12 inches. Use smooth edges, not notched.
2. Pour a "ribbon" of AS-2500 on the surface approximately 2' long and 6" wide.
3. Hold trowel at 45° angle to surface and spread with sweeping motion. Reverse angle of trowel for opposite stroke. Pull material toward you. To cover corners, etc. pull straight strokes using material on the trowel. Trowel across welds to avoid too thick an application.

ROLLER

Rolled applications provide the most aggressive anti-slip characteristics with an irregular, ridged profile.

1. Use a phenolic roller available from American Safety Technologies Inc. It is important that the rolled profile expose the maximum amount of anti-slip aggregate. If aggregate is not properly exposed, the coating may become slippery when wet.
2. Pour a "ribbon" of AS-2500 on the surface approximately 2' long and 6" wide. Roll material in one direction only, in slow straight strokes pulling material toward you with a moderate amount of pressure. Do not over-roll too many times. Be careful that material does not build up too thickly along welds (roll across welds, not along them). Material applied too thickly may not properly cure.
3. Higher temperatures will shorten drying time and conversely, lower temperature and high relative humidity will lengthen drying time. Exterior applications must be protected from rain for at least 12 to 24 hours after application according to humidity. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days.

SURFACE MAINTENANCE

Maintain a clean surface to ensure that the anti-slip safety performance of **AS-2500** be maximized. We recommend the following cleaning procedure:

- a. Apply LPS Precision Clean, an all purpose, biodegradable cleaner/degreaser; mixed at 1:4 ratio with water to the surface.
- b. Scrub surface with a long-handled, fiber bristled brush or floor machine.
- c. Rinse with clean water and dry.

Foreign matter such as chewing gum, should be removed with a scraper or putty knife and then surface should be cleaned following above procedure.

Although extremely durable, AS-2500 is not a permanent coating and will require occasional touch up, especially in heavy traffic areas.

STANDARD COLORS

Black, Gray, Tile Red, Safety Yellow. Custom colors are available and subject to minimum order requirements. Contact our Customer Service Department for more information at 1-800-631-7841.

SPECIFICATIONS

VOC : 0.0 lbs. per gal. (0 grams/liter)

VOLUME SOLIDS (%) : 100%

POT LIFE : 1 hour @ 70°F (21°C)

DRY TIME : Light Traffic - 24 hours @ 70°F (21°C)
Heavy Traffic - 72 hours @ 70°F (21°C)

ESTIMATED COVERAGE : 60 sq. ft. per gallon - spray - 40 sq. ft. per gal.
- trowel
20-35 sq. ft. per gal. - roller

WEIGHT PER GALLON : 17.7 lbs. per gal. (2.10 kg./liter)

FLASH POINT : >200°F (93.7°C) - CC

COEFFICIENT OF FRICTION ASTM F609 : Dry - 1.10
Wet - 1.00

PACKAGING : 1 gallon kits
5 gallon kits

CAUTION

Read Material Safety Data Sheet before using this material. Contains epoxy resins. Catalyst contains Amines. Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame. Keep from freezing. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Toxic Material. Avoid contact with skin. Use gloves, goggles and coveralls. In case of spillage on clothing, change clothing to prevent prolonged contact with skin. Wash contaminated clothing before reuse. In case of accidental contact with skin, wash immediately with soap and water. In case of eye contact, flush thoroughly with plenty of water and call physician. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately.

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The Safe Choice